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Administration

Petroleum Supply Monthly

with data for April 2017

June 2017



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Preface

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

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- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
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- Imports by country of origin
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Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	272,482	--	--	243,922	5,946	-16,773	509,100	30,023	0	1,212,621
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	108,990	-619	25,704	4,563	--	6,738	14,315	43,177	74,408	158,194
Pentanes Plus	13,090	-619	--	403	--	-975	4,784	5,924	3,141	20,518
Liquefied Petroleum Gases	95,900	--	25,704	4,160	--	7,713	9,531	37,253	71,267	137,676
Ethane/Ethylene	40,612	--	173	--	--	2,120	--	5,043	33,622	56,424
Propane/Propylene	35,856	--	18,028	3,347	--	-1,092	--	26,790	31,533	42,886
Normal Butane/Butylene	8,866	--	7,503	487	--	6,545	3,335	5,319	1,657	29,158
Isobutane/Isobutylene	10,566	--	0	326	--	140	6,196	101	4,455	9,208
Other Liquids	--	34,662	--	39,741	4,586	5,177	58,902	12,170	2,740	344,333
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	34,666	--	1,590	3,517	-593	36,179	4,187	0	31,991
Hydrogen	--	--	--	--	6,615	--	6,615	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,152	--	321	-712	36	--	1,725	0	1,697
Renewable Fuels (including Fuel Ethanol) ...	--	32,514	--	1,259	-2,396	-641	29,556	2,462	0	30,248
Fuel Ethanol ⁵	--	29,500	--	197	-121	-166	27,564	2,178	0	23,593
Renewable Fuels Except Fuel Ethanol	--	3,014	--	1,062	-2,276	-475	1,992	283	0	6,655
Other Hydrocarbons	--	--	--	10	10	12	8	--	0	46
Unfinished Oils	--	--	--	15,350	--	1,104	4,953	6,532	2,761	90,442
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-4	--	22,801	1,070	4,662	17,753	1,452	0	221,887
Reformulated	--	--	--	6,955	5,221	2,435	9,738	3	0	52,828
Conventional	--	-4	--	15,846	-4,152	2,227	8,015	1,448	0	169,059
Aviation Gasoline Blend. Comp.	--	--	--	--	--	4	17	--	-21	13
Finished Petroleum Products	--	83	590,445	19,088	1,427	5,777	--	96,601	508,665	318,278
Finished Motor Gasoline	--	83	296,896	1,262	-949	100	--	19,751	277,441	21,828
Reformulated	--	--	97,556	--	-3,836	1	--	--	93,719	46
Conventional	--	83	199,340	1,262	2,887	99	--	19,751	183,722	21,782
Finished Aviation Gasoline	--	--	312	24	--	23	--	--	313	1,014
Kerosene-Type Jet Fuel	--	--	52,018	5,487	--	2,263	--	6,736	48,506	44,546
Kerosene	--	--	150	--	--	-113	--	64	199	2,106
Distillate Fuel Oil ⁵	--	--	151,066	3,465	2,376	3,560	--	39,609	113,738	154,640
15 ppm sulfur and under	--	--	140,999	2,114	2,376	3,473	--	33,745	108,271	138,280
Greater than 15 ppm to 500 ppm sulfur	--	--	4,022	39	--	269	--	3,792	0	6,405
Greater than 500 ppm sulfur	--	--	6,045	1,312	--	-182	--	2,073	5,466	9,955
Residual Fuel Oil ⁶	--	--	12,154	4,380	--	-951	--	7,895	9,590	39,823
Less than 0.31 percent sulfur	--	--	1,856	456	--	-415	--	NA	NA	3,062
0.31 to 1.00 percent sulfur	--	--	1,575	322	--	-267	--	NA	NA	9,214
Greater than 1.00 percent sulfur	--	--	8,723	3,602	--	-269	--	NA	NA	27,541
Petrochemical Feedstocks	--	--	9,941	1,390	--	-89	--	--	11,420	3,123
Naphtha for Petro. Feed. Use	--	--	5,904	996	--	-42	--	--	6,942	2,051
Other Oils for Petro. Feed. Use	--	--	4,037	394	--	-47	--	--	4,478	1,072
Special Naphthas	--	--	1,109	171	--	-23	--	--	1,303	1,083
Lubricants	--	--	4,356	1,045	--	-1,102	--	3,367	3,136	8,858
Waxes	--	--	127	131	--	0	--	140	118	684
Petroleum Coke	--	--	27,709	64	--	-377	--	18,480	9,670	6,608
Marketable	--	--	20,878	64	--	-377	--	18,480	2,839	6,608
Catalyst	--	--	6,831	--	--	--	--	--	6,831	--
Asphalt and Road Oil	--	--	10,780	1,668	--	2,364	--	536	9,548	33,222
Still Gas	--	--	20,895	--	--	--	--	--	20,895	--
Miscellaneous Products	--	--	2,932	1	--	122	--	24	2,787	743
Total	381,472	34,126	616,149	307,314	11,959	919	582,317	181,972	585,813	2,033,426

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	1,083,511	--	--	975,826	25,398	33,207	1,941,285	110,244	0	1,212,621
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	427,192	-2,582	69,229	26,487	--	-45,272	66,946	172,982	325,670	158,194
Pentanes Plus	50,337	-2,582	--	1,376	--	-4,514	18,741	22,717	12,187	20,518
Liquefied Petroleum Gases	376,855	--	69,229	25,111	--	-40,758	48,205	150,266	313,482	137,676
Ethane/Ethylene	160,377	--	606	--	--	2,419	--	18,306	140,258	56,424
Propane/Propylene	140,559	--	68,899	21,998	--	-41,210	--	116,412	156,254	42,886
Normal Butane/Butylene	38,988	--	-582	1,976	--	-3,050	24,213	14,991	4,228	29,158
Isobutane/Isobutylene	36,931	--	306	1,137	--	1,083	23,992	558	12,741	9,208
Other Liquids	--	141,136	--	148,169	22,159	26,228	221,157	59,819	4,261	344,333
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	141,153	--	6,214	16,757	3,590	140,595	19,940	0	31,991
Hydrogen	--	--	--	--	25,840	--	25,840	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	8,297	--	1,677	-1,490	220	318	7,946	0	1,697
Renewable Fuels (including Fuel Ethanol) ...	--	132,856	--	4,446	-7,633	3,341	114,335	11,994	0	30,248
Fuel Ethanol ⁵	--	122,649	--	968	-1,234	4,062	106,848	11,473	0	23,593
Renewable Fuels Except Fuel Ethanol	--	10,207	--	3,478	-6,400	-721	7,487	520	0	6,655
Other Hydrocarbons	--	--	--	91	40	29	102	--	0	46
Unfinished Oils	--	--	--	71,925	--	9,860	27,708	30,065	4,292	90,442
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-17	--	70,030	5,402	12,774	52,827	9,814	0	221,887
Reformulated	--	-1	--	25,550	28,905	679	53,751	24	0	52,828
Conventional	--	-16	--	44,480	-23,503	12,095	-924	9,790	0	169,059
Aviation Gasoline Blend. Comp.	--	--	--	--	--	4	27	--	-31	13
Finished Petroleum Products	--	328	2,292,476	81,777	2,663	-11,393	--	378,208	2,010,429	318,278
Finished Motor Gasoline	--	328	1,158,009	4,877	-4,169	-6,782	--	83,194	1,082,634	21,828
Reformulated	--	--	380,808	--	-28,122	-1	--	--	352,687	46
Conventional	--	328	777,201	4,877	23,953	-6,781	--	83,194	729,946	21,782
Finished Aviation Gasoline	--	--	1,152	28	--	20	--	--	1,160	1,014
Kerosene-Type Jet Fuel	--	--	198,993	17,786	--	1,770	--	22,668	192,341	44,546
Kerosene	--	--	768	168	--	-155	--	242	849	2,106
Distillate Fuel Oil ⁵	--	--	578,791	18,717	6,832	-10,816	--	146,096	469,060	154,640
15 ppm sulfur and under	--	--	537,657	12,572	6,832	-4,740	--	120,997	440,803	138,280
Greater than 15 ppm to 500 ppm sulfur	--	--	15,167	163	--	-2,417	--	16,792	955	6,405
Greater than 500 ppm sulfur	--	--	25,967	5,982	--	-3,659	--	8,306	27,302	9,955
Residual Fuel Oil ⁶	--	--	53,608	23,006	--	-1,720	--	35,704	42,630	39,823
Less than 0.31 percent sulfur	--	--	6,967	1,378	--	-409	--	NA	NA	3,062
0.31 to 1.00 percent sulfur	--	--	6,475	1,238	--	142	--	NA	NA	9,214
Greater than 1.00 percent sulfur	--	--	40,166	20,390	--	-1,453	--	NA	NA	27,541
Petrochemical Feedstocks	--	--	38,394	5,078	--	-117	--	--	43,589	3,123
Naphtha for Petro. Feed. Use	--	--	24,880	3,914	--	40	--	--	28,754	2,051
Other Oils for Petro. Feed. Use	--	--	13,514	1,164	--	-157	--	--	14,835	1,072
Special Naphthas	--	--	4,298	1,579	--	-135	--	--	6,012	1,083
Lubricants	--	--	19,655	4,711	--	-3,517	--	13,926	13,957	8,858
Waxes	--	--	604	524	--	13	--	488	627	684
Petroleum Coke	--	--	107,669	964	--	-375	--	73,782	35,226	6,608
Marketable	--	--	81,081	964	--	-375	--	73,782	8,638	6,608
Catalyst	--	--	26,588	--	--	--	--	--	26,588	--
Asphalt and Road Oil	--	--	38,371	4,335	--	10,356	--	1,905	30,445	33,222
Still Gas	--	--	80,849	--	--	--	--	--	80,849	--
Miscellaneous Products	--	--	11,315	4	--	65	--	203	11,051	743
Total	1,510,703	138,882	2,361,705	1,232,259	50,220	2,770	2,229,388	721,252	2,340,360	2,033,426

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	9,083	--	--	8,131	198	-559	16,970	1,001	0
Natural Gas Plant Liquids and Liquefied									
Refinery Gases	3,633	-21	857	152	--	225	477	1,439	2,480
Pentanes Plus	436	-21	--	13	--	-33	159	197	105
Liquefied Petroleum Gases	3,197	--	857	139	--	257	318	1,242	2,376
Ethane/Ethylene	1,354	--	6	--	--	71	--	168	1,121
Propane/Propylene	1,195	--	601	112	--	-36	--	893	1,051
Normal Butane/Butylene	296	--	250	16	--	218	111	177	55
Isobutane/Isobutylene	352	--	0	11	--	5	207	3	149
Other Liquids	--	1,155	--	1,325	153	173	1,963	406	91
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,156	--	53	117	-20	1,206	140	0
Hydrogen	--	--	--	--	221	--	221	--	0
Oxygenates (excluding Fuel Ethanol)	--	72	--	11	-24	1	--	58	0
Renewable Fuels (including Fuel Ethanol)	--	1,084	--	42	-80	-21	985	82	0
Fuel Ethanol	--	983	--	7	-4	-6	919	73	0
Renewable Fuels Except Fuel Ethanol	--	100	--	35	-76	-16	66	9	0
Other Hydrocarbons	--	--	--	0	0	0	0	--	0
Unfinished Oils	--	--	--	512	--	37	165	218	92
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	760	36	155	592	48	0
Reformulated	--	--	--	232	174	81	325	0	0
Conventional	--	0	--	528	-138	74	267	48	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	1	--	-1
Finished Petroleum Products	--	3	19,682	636	48	193	--	3,220	16,955
Finished Motor Gasoline	--	3	9,897	42	-32	3	--	658	9,248
Reformulated	--	--	3,252	--	-128	0	--	--	3,124
Conventional	--	3	6,645	42	96	3	--	658	6,124
Finished Aviation Gasoline	--	--	10	1	--	1	--	--	10
Kerosene-Type Jet Fuel	--	--	1,734	183	--	75	--	225	1,617
Kerosene	--	--	5	--	--	-4	--	2	7
Distillate Fuel Oil ⁵	--	--	5,036	116	79	119	--	1,320	3,791
15 ppm sulfur and under	--	--	4,700	70	79	116	--	1,125	3,609
Greater than 15 ppm to 500 ppm sulfur	--	--	134	1	--	9	--	126	0
Greater than 500 ppm sulfur	--	--	202	44	--	-6	--	69	182
Residual Fuel Oil ⁶	--	--	405	146	--	-32	--	263	320
Less than 0.31 percent sulfur	--	--	62	15	--	-14	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	53	11	--	-9	--	NA	NA
Greater than 1.00 percent sulfur	--	--	291	120	--	-9	--	NA	NA
Petrochemical Feedstocks	--	--	331	46	--	-3	--	--	381
Naphtha for Petro. Feed. Use	--	--	197	33	--	-1	--	--	231
Other Oils for Petro. Feed. Use	--	--	135	13	--	-2	--	--	149
Special Naphthas	--	--	37	6	--	-1	--	--	43
Lubricants	--	--	145	35	--	-37	--	112	105
Waxes	--	--	4	4	--	0	--	5	4
Petroleum Coke	--	--	924	2	--	-13	--	616	322
Marketable	--	--	696	2	--	-13	--	616	95
Catalyst	--	--	228	--	--	--	--	--	228
Asphalt and Road Oil	--	--	359	56	--	79	--	18	318
Still Gas	--	--	697	--	--	--	--	--	697
Miscellaneous Products	--	--	98	0	--	4	--	1	93
Total	12,716	1,138	20,538	10,244	399	31	19,411	6,066	19,527

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	9,029	--	--	8,132	212	277	16,177	919	0
Natural Gas Plant Liquids and Liquefied									
Refinery Gases	3,560	-22	577	221	--	-377	558	1,442	2,714
Pentanes Plus	419	-22	--	11	--	-38	156	189	102
Liquefied Petroleum Gases	3,140	--	577	209	--	-340	402	1,252	2,612
Ethane/Ethylene	1,336	--	5	--	--	20	--	153	1,169
Propane/Propylene	1,171	--	574	183	--	-343	--	970	1,302
Normal Butane/Butylene	325	--	-5	16	--	-25	202	125	35
Isobutane/Isobutylene	308	--	3	9	--	9	200	5	106
Other Liquids	--	1,176	--	1,235	185	219	1,843	498	36
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	--	1,176	--	52	140	30	1,172	166	0
Hydrogen	--	--	--	--	215	--	215	--	0
Oxygenates (excluding Fuel Ethanol)	--	69	--	14	-12	2	3	66	0
Renewable Fuels (including Fuel Ethanol)	--	1,107	--	37	-64	28	953	100	0
Fuel Ethanol	--	1,022	--	8	-10	34	890	96	0
Renewable Fuels Except Fuel Ethanol	--	85	--	29	-53	-6	62	4	0
Other Hydrocarbons	--	--	--	1	0	0	1	--	0
Unfinished Oils	--	--	--	599	--	82	231	251	36
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	584	45	106	440	82	0
Reformulated	--	0	--	213	241	6	448	0	0
Conventional	--	0	--	371	-196	101	-8	82	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	3	19,104	681	22	-95	--	3,152	16,754
Finished Motor Gasoline	--	3	9,650	41	-35	-57	--	693	9,022
Reformulated	--	--	3,173	--	-234	0	--	--	2,939
Conventional	--	3	6,477	41	200	-57	--	693	6,083
Finished Aviation Gasoline	--	--	10	0	--	0	--	--	10
Kerosene-Type Jet Fuel	--	--	1,658	148	--	15	--	189	1,603
Kerosene	--	--	6	1	--	-1	--	2	7
Distillate Fuel Oil ⁵	--	--	4,823	156	57	-90	--	1,217	3,909
15 ppm sulfur and under	--	--	4,480	105	57	-40	--	1,008	3,673
Greater than 15 ppm to 500 ppm sulfur	--	--	126	1	--	-20	--	140	8
Greater than 500 ppm sulfur	--	--	216	50	--	-30	--	69	228
Residual Fuel Oil ⁶	--	--	447	192	--	-14	--	298	355
Less than 0.31 percent sulfur	--	--	58	11	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	54	10	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	335	170	--	-12	--	NA	NA
Petrochemical Feedstocks	--	--	320	42	--	-1	--	--	363
Naphtha for Petro. Feed. Use	--	--	207	33	--	0	--	--	240
Other Oils for Petro. Feed. Use	--	--	113	10	--	-1	--	--	124
Special Naphthas	--	--	36	13	--	-1	--	--	50
Lubricants	--	--	164	39	--	-29	--	116	116
Waxes	--	--	5	4	--	0	--	4	5
Petroleum Coke	--	--	897	8	--	-3	--	615	294
Marketable	--	--	676	8	--	-3	--	615	72
Catalyst	--	--	222	--	--	--	--	--	222
Asphalt and Road Oil	--	--	320	36	--	86	--	16	254
Still Gas	--	--	674	--	--	--	--	--	674
Miscellaneous Products	--	--	94	0	--	1	--	2	92
Total	12,589	1,157	19,681	10,269	419	23	18,578	6,010	19,503

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	1,378	--	--	25,576	2,780	1,302	-1,464	31,846	654	0	17,348
Natural Gas Plant Liquids and Liquefied Refinery Gases	12,108	-13	1,475	1,005	-1,695	--	43	841	2,563	9,433	4,712
Pentanes Plus	1,127	-13	--	--	-10	--	5	--	67	1,032	148
Liquefied Petroleum Gases	10,981	--	1,475	1,005	-1,685	--	38	841	2,496	8,401	4,564
Ethane/Ethylene	5,137	--	16	--	-4,159	--	-150	--	1,315	-171	364
Propane/Propylene	4,041	--	1,026	949	2,236	--	-244	--	1,057	7,439	2,705
Normal Butane/Butylene	1,206	--	407	13	121	--	444	446	123	734	1,308
Isobutane/Isobutylene	597	--	26	43	117	--	-12	395	--	400	187
Other Liquids	--	849	--	21,205	57,150	6,407	2,164	84,098	2,193	-2,843	80,165
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	852	--	575	8,566	241	-445	10,558	122	0	10,195
Hydrogen	--	--	--	--	--	95	--	95	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	--	--	1	0	--
Renewable Fuels (including Fuel Ethanol)	--	852	--	574	8,566	146	-445	10,463	121	0	10,195
Fuel Ethanol	--	700	--	--	8,508	790	-194	10,077	115	0	8,210
Renewable Fuels Except Fuel Ethanol	--	152	--	574	59	-644	-251	386	7	0	1,985
Other Hydrocarbons	--	--	--	1	--	-1	--	--	--	0	--
Unfinished Oils	--	--	--	1,088	-48	--	-263	2,080	2,066	-2,843	5,778
Motor Gasoline Blend. Comp. (MGBC)	--	-3	--	19,542	48,632	6,166	2,872	71,460	5	0	64,192
Reformulated	--	--	--	6,955	7,317	4,553	1,677	17,148	0	0	21,697
Conventional	--	-3	--	12,587	41,315	1,613	1,195	54,312	5	0	42,495
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	116,754	9,527	44,990	-6,312	5,257	--	3,354	156,349	92,499
Finished Motor Gasoline	--	--	97,738	1,244	7,508	-6,956	129	--	26	99,379	4,079
Reformulated	--	--	38,401	--	--	-3,139	-4	--	--	35,266	29
Conventional	--	--	59,337	1,244	7,508	-3,817	133	--	26	64,114	4,050
Finished Aviation Gasoline	--	--	--	21	1,282	--	-41	--	--	1,344	146
Kerosene-Type Jet Fuel	--	--	2,767	2,261	13,620	--	1,566	--	260	16,822	12,267
Kerosene	--	--	47	--	--	--	-73	--	2	118	1,789
Distillate Fuel Oil ⁶	--	--	10,372	3,350	21,636	644	3,386	--	1,413	31,203	55,614
15 ppm sulfur and under	--	--	8,853	2,000	19,564	644	3,165	--	1,413	26,483	47,214
Greater than 15 ppm to 500 ppm sulfur	--	--	100	39	386	--	197	--	--	328	3,793
Greater than 500 ppm sulfur	--	--	1,419	1,311	1,686	--	24	--	0	4,392	4,607
Residual Fuel Oil ⁷	--	--	1,461	1,074	129	--	-671	--	635	2,700	8,807
Less than 0.31 percent sulfur	--	--	465	--	--	--	27	--	NA	NA	1,172
0.31 to 1.00 percent sulfur	--	--	453	--	--	--	-377	--	NA	NA	1,856
Greater than 1.00 percent sulfur	--	--	543	1,074	129	--	-321	--	NA	NA	5,779
Petrochemical Feedstocks	--	--	129	3	-37	--	9	--	--	86	165
Naphtha for Petro. Feed. Use	--	--	129	3	--	--	9	--	--	123	165
Other Oils for Petro. Feed. Use	--	--	--	--	-37	--	--	--	--	-37	--
Special Naphthas	--	--	13	--	--	--	-10	--	--	23	19
Lubricants	--	--	256	210	494	--	-196	--	251	905	943
Waxes	--	--	-15	82	--	--	8	--	93	-34	380
Petroleum Coke	--	--	1,046	4	--	--	--	--	594	456	--
Marketable	--	--	410	4	--	--	--	--	594	-180	--
Catalyst	--	--	636	--	--	--	--	--	--	636	--
Asphalt and Road Oil	--	--	1,444	1,278	358	--	1,148	--	66	1,866	8,256
Still Gas	--	--	1,405	--	--	--	--	--	--	1,405	--
Miscellaneous Products	--	--	91	--	--	--	2	--	12	77	34
Total	13,486	836	118,229	57,313	103,226	1,397	6,000	116,785	8,764	162,939	194,724

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	5,339	--	--	97,623	16,693	6,141	5,103	117,616	3,077	0	17,348
Natural Gas Plant Liquids and Liquefied Refinery Gases	47,084	-59	2,751	7,306	500	--	-3,055	4,424	17,825	38,388	4,712
Pentanes Plus	4,475	-59	--	--	-40	--	-35	601	8,077	-4,267	148
Liquefied Petroleum Gases	42,609	--	2,751	7,306	540	--	-3,020	3,823	9,748	42,656	4,564
Ethane/Ethylene	19,868	--	64	--	-15,257	--	-76	--	4,599	152	364
Propane/Propylene	15,682	--	3,909	6,983	13,667	--	-3,309	--	4,927	38,623	2,705
Normal Butane/Butylene	4,710	--	-1,257	47	1,508	--	336	2,272	220	2,180	1,308
Isobutane/Isobutylene	2,349	--	35	276	622	--	29	1,551	2	1,700	187
Other Liquids	--	3,668	--	72,675	217,906	31,802	7,056	318,307	7,858	-7,170	80,165
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	3,680	--	1,593	35,931	1,126	1,085	41,013	232	0	10,195
Hydrogen	--	--	--	--	--	410	--	410	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	5	--	--	5	0	--
Renewable Fuels (including Fuel Ethanol)	--	3,680	--	1,591	35,931	713	1,085	40,603	228	0	10,195
Fuel Ethanol	--	3,208	--	--	35,479	2,479	1,924	39,038	204	0	8,210
Renewable Fuels Except Fuel Ethanol	--	472	--	1,591	452	-1,765	-839	1,565	24	0	1,985
Other Hydrocarbons	--	--	--	2	--	-2	--	--	--	0	--
Unfinished Oils	--	--	--	10,547	-160	--	1,306	8,660	7,591	-7,170	5,778
Motor Gasoline Blend. Comp. (MGBC)	--	-12	--	60,535	182,135	30,675	4,665	268,634	34	0	64,192
Reformulated	--	--	--	25,550	29,159	15,671	2,074	68,304	2	0	21,697
Conventional	--	-12	--	34,985	152,976	15,005	2,591	200,330	33	0	42,495
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	443,643	41,326	188,269	-31,389	-10,260	--	16,761	635,349	92,499
Finished Motor Gasoline	--	--	374,316	4,470	34,113	-33,154	-1,413	--	1,862	379,296	4,079
Reformulated	--	--	149,792	--	--	-13,548	-2	--	--	136,246	29
Conventional	--	--	224,524	4,470	34,113	-19,607	-1,411	--	1,862	243,050	4,050
Finished Aviation Gasoline	--	--	--	24	3,523	--	-18	--	--	3,565	146
Kerosene-Type Jet Fuel	--	--	9,378	6,631	53,747	--	1,189	--	454	68,113	12,267
Kerosene	--	--	294	168	--	--	18	--	9	435	1,789
Distillate Fuel Oil ⁶	--	--	37,382	17,079	93,529	1,765	-11,337	--	6,120	154,973	55,614
15 ppm sulfur and under	--	--	28,596	11,702	85,110	1,765	-6,243	--	3,670	129,747	47,214
Greater than 15 ppm to 500 ppm sulfur	--	--	1,206	163	847	--	-2,595	--	2,349	2,462	3,793
Greater than 500 ppm sulfur	--	--	7,580	5,214	7,572	--	-2,499	--	101	22,764	4,607
Residual Fuel Oil ⁷	--	--	5,089	8,839	26	--	-2,189	--	4,813	11,330	8,807
Less than 0.31 percent sulfur	--	--	1,633	347	-103	--	172	--	NA	NA	1,172
0.31 to 1.00 percent sulfur	--	--	1,150	580	--	--	-787	--	NA	NA	1,856
Greater than 1.00 percent sulfur	--	--	2,306	7,912	129	--	-1,574	--	NA	NA	5,779
Petrochemical Feedstocks	--	--	438	3	-113	--	6	--	--	322	165
Naphtha for Petro. Feed. Use	--	--	438	3	--	--	6	--	--	435	165
Other Oils for Petro. Feed. Use	--	--	--	--	-113	--	--	--	--	-113	--
Special Naphthas	--	--	72	--	--	--	-3	--	--	75	19
Lubricants	--	--	1,437	799	2,127	--	-265	--	806	3,822	943
Waxes	--	--	6	257	--	--	3	--	285	-25	380
Petroleum Coke	--	--	4,250	203	--	--	--	--	1,989	2,464	--
Marketable	--	--	1,642	203	--	--	--	--	1,989	-144	--
Catalyst	--	--	2,608	--	--	--	--	--	--	2,608	--
Asphalt and Road Oil	--	--	5,325	2,853	1,317	--	3,752	--	365	5,378	8,256
Still Gas	--	--	5,283	--	--	--	--	--	--	5,283	--
Miscellaneous Products	--	--	373	--	--	--	-3	--	58	318	34
Total	52,423	3,609	446,394	218,930	423,369	6,554	-1,156	440,347	45,521	666,567	194,724

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

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⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	46	--	--	853	93	43	-49	1,062	22	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	404	0	49	34	-57	--	1	28	85	314
Pentanes Plus	38	0	--	--	0	--	0	--	2	34
Liquefied Petroleum Gases	366	--	49	34	-56	--	1	28	83	280
Ethane/Ethylene	171	--	1	--	-139	--	-5	--	44	-6
Propane/Propylene	135	--	34	32	75	--	-8	--	35	248
Normal Butane/Butylene	40	--	14	0	4	--	15	15	4	24
Isobutane/Isobutylene	20	--	1	1	4	--	0	13	--	13
Other Liquids	--	28	--	707	1,905	214	72	2,803	73	-95
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	28	--	19	286	8	-15	352	4	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	28	--	19	286	5	-15	349	4	0
Fuel Ethanol	--	23	--	--	284	26	-6	336	4	0
Renewable Fuels Except Fuel Ethanol	--	5	--	19	2	-21	-8	13	0	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	36	-2	--	-9	69	69	-95
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	651	1,621	206	96	2,382	0	0
Reformulated	--	--	--	232	244	152	56	572	0	0
Conventional	--	0	--	420	1,377	54	40	1,810	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,892	318	1,500	-210	175	--	112	5,212
Finished Motor Gasoline	--	--	3,258	41	250	-232	4	--	1	3,313
Reformulated	--	--	1,280	--	--	-105	0	--	--	1,176
Conventional	--	--	1,978	41	250	-127	4	--	1	2,137
Finished Aviation Gasoline	--	--	--	1	43	--	-1	--	--	45
Kerosene-Type Jet Fuel	--	--	92	75	454	--	52	--	9	561
Kerosene	--	--	2	--	--	--	-2	--	0	4
Distillate Fuel Oil ⁶	--	--	346	112	721	21	113	--	47	1,040
15 ppm sulfur and under	--	--	295	67	652	21	106	--	47	883
Greater than 15 ppm to 500 ppm sulfur	--	--	3	1	13	--	7	--	--	11
Greater than 500 ppm sulfur	--	--	47	44	56	--	1	--	0	146
Residual Fuel Oil ⁷	--	--	49	36	4	--	-22	--	21	90
Less than 0.31 percent sulfur	--	--	16	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	--	--	--	-13	--	NA	NA
Greater than 1.00 percent sulfur	--	--	18	36	4	--	-11	--	NA	NA
Petrochemical Feedstocks	--	--	4	0	-1	--	0	--	--	3
Naphtha for Petro. Feed. Use	--	--	4	0	--	--	0	--	--	4
Other Oils for Petro. Feed. Use	--	--	--	--	-1	--	--	--	--	-1
Special Naphthas	--	--	0	--	--	--	0	--	--	1
Lubricants	--	--	9	7	16	--	-7	--	8	30
Waxes	--	--	-1	3	--	--	0	--	3	-1
Petroleum Coke	--	--	35	0	--	--	--	--	20	15
Marketable	--	--	14	0	--	--	--	--	20	-6
Catalyst	--	--	21	--	--	--	--	--	--	21
Asphalt and Road Oil	--	--	48	43	12	--	38	--	2	62
Still Gas	--	--	47	--	--	--	--	--	--	47
Miscellaneous Products	--	--	3	--	--	--	0	--	0	3
Total	450	28	3,941	1,910	3,441	47	200	3,893	292	5,431

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	44	--	--	814	139	51	43	980	26	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	392	0	23	61	4	--	-25	37	149	320
Pentanes Plus	37	0	--	--	0	--	0	5	67	-36
Liquefied Petroleum Gases	355	--	23	61	5	--	-25	32	81	355
Ethane/Ethylene	166	--	1	--	-127	--	-1	--	38	1
Propane/Propylene	131	--	33	58	114	--	-28	--	41	322
Normal Butane/Butylene	39	--	-10	0	13	--	3	19	2	18
Isobutane/Isobutylene	20	--	0	2	5	--	0	13	0	14
Other Liquids	--	31	--	606	1,816	265	59	2,653	65	-60
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	31	--	13	299	9	9	342	2	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	31	--	13	299	6	9	338	2	0
Fuel Ethanol	--	27	--	--	296	21	16	325	2	0
Renewable Fuels Except Fuel Ethanol	--	4	--	13	4	-15	-7	13	0	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	88	-1	--	11	72	63	-60
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	504	1,518	256	39	2,239	0	0
Reformulated	--	--	--	213	243	131	17	569	0	0
Conventional	--	0	--	292	1,275	125	22	1,669	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,697	344	1,569	-262	-86	--	140	5,295
Finished Motor Gasoline	--	--	3,119	37	284	-276	-12	--	16	3,161
Reformulated	--	--	1,248	--	--	-113	0	--	--	1,135
Conventional	--	--	1,871	37	284	-163	-12	--	16	2,025
Finished Aviation Gasoline	--	--	--	0	29	--	0	--	--	30
Kerosene-Type Jet Fuel	--	--	78	55	448	--	10	--	4	568
Kerosene	--	--	2	1	--	--	0	--	0	4
Distillate Fuel Oil ⁶	--	--	312	142	779	15	-94	--	51	1,291
15 ppm sulfur and under	--	--	238	98	709	15	-52	--	31	1,081
Greater than 15 ppm to 500 ppm sulfur	--	--	10	1	7	--	-22	--	20	21
Greater than 500 ppm sulfur	--	--	63	43	63	--	-21	--	1	190
Residual Fuel Oil ⁷	--	--	42	74	0	--	-18	--	40	94
Less than 0.31 percent sulfur	--	--	14	3	-1	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	10	5	--	--	-7	--	NA	NA
Greater than 1.00 percent sulfur	--	--	19	66	1	--	-13	--	NA	NA
Petrochemical Feedstocks	--	--	4	0	-1	--	0	--	--	3
Naphtha for Petro. Feed. Use	--	--	4	0	--	--	0	--	--	4
Other Oils for Petro. Feed. Use	--	--	--	--	-1	--	--	--	--	-1
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	12	7	18	--	-2	--	7	32
Waxes	--	--	0	2	--	--	0	--	2	0
Petroleum Coke	--	--	35	2	--	--	--	--	17	21
Marketable	--	--	14	2	--	--	--	--	17	-1
Catalyst	--	--	22	--	--	--	--	--	--	22
Asphalt and Road Oil	--	--	44	24	11	--	31	--	3	45
Still Gas	--	--	44	--	--	--	--	--	--	44
Miscellaneous Products	--	--	3	--	--	--	0	--	0	3
Total	437	30	3,720	1,824	3,528	55	-10	3,670	379	5,555

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	50,106	--	--	76,852	-2,676	-1,765	2,499	114,023	5,995	0	158,807
Natural Gas Plant Liquids and Liquefied Refinery Gases	23,934	-568	5,493	2,074	-10,002	--	3,180	2,664	7,757	7,330	37,538
Pentanes Plus	2,744	-568	--	7	5,175	--	175	760	5,371	1,052	9,839
Liquefied Petroleum Gases	21,190	--	5,493	2,067	-15,177	--	3,005	1,904	2,386	6,278	27,699
Ethane/Ethylene	7,514	--	--	--	-2,909	--	-29	--	1,730	2,904	5,919
Propane/Propylene	9,132	--	3,604	1,587	-10,252	--	807	--	292	2,972	12,385
Normal Butane/Butylene	2,864	--	1,921	225	-1,903	--	2,048	628	363	68	7,327
Isobutane/Isobutylene	1,680	--	-32	255	-113	--	179	1,276	0	335	2,068
Other Liquids	--	29,136	--	79	-9,096	-1,319	-258	18,008	877	173	73,820
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	29,137	--	44	-17,609	-1,569	397	9,002	604	0	9,669
Hydrogen	--	--	--	--	--	1,182	--	1,182	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	6	5	--	1	0	6
Renewable Fuels (including Fuel Ethanol)	--	29,137	--	44	-17,609	-2,777	380	7,812	604	0	9,617
Fuel Ethanol	--	27,123	--	--	-17,245	-1,770	331	7,347	430	0	8,567
Renewable Fuels Except Fuel Ethanol	--	2,014	--	44	-363	-1,007	49	465	174	0	1,050
Other Hydrocarbons	--	--	--	--	--	20	12	8	--	0	46
Unfinished Oils	--	--	--	--	82	--	-268	-5	182	173	13,542
Motor Gasoline Blend. Comp. (MGBC)	--	-1	--	35	8,431	250	-387	9,011	91	0	50,609
Reformulated	--	--	--	--	1,097	-664	-597	1,030	--	0	6,049
Conventional	--	-1	--	35	7,334	914	210	7,981	91	0	44,560
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	83	136,157	725	3,850	2,527	3,221	--	1,656	138,465	67,658
Finished Motor Gasoline	--	83	76,713	--	658	1,520	207	--	60	78,708	6,196
Reformulated	--	--	10,884	--	--	899	--	--	--	11,783	--
Conventional	--	83	65,829	--	658	621	207	--	60	66,925	6,196
Finished Aviation Gasoline	--	--	37	2	77	--	-12	--	--	128	212
Kerosene-Type Jet Fuel	--	--	7,446	--	702	--	4	--	307	7,837	7,648
Kerosene	--	--	39	--	--	--	30	--	1	8	144
Distillate Fuel Oil	--	--	33,772	5	2,932	1,007	2,037	--	164	35,515	35,094
15 ppm sulfur and under	--	--	33,907	5	2,729	1,007	2,180	--	1	35,467	34,387
Greater than 15 ppm to 500 ppm sulfur	--	--	19	--	95	--	-83	--	47	150	378
Greater than 500 ppm sulfur	--	--	-154	--	108	--	-60	--	116	-102	329
Residual Fuel Oil ⁶	--	--	1,503	24	-605	--	24	--	234	664	1,454
Less than 0.31 percent sulfur	--	--	134	--	--	--	21	--	NA	NA	94
0.31 to 1.00 percent sulfur	--	--	263	24	--	--	-23	--	NA	NA	276
Greater than 1.00 percent sulfur	--	--	1,106	--	-575	--	26	--	NA	NA	1,084
Petrochemical Feedstocks	--	--	1,050	123	-106	--	83	--	--	984	692
Naphtha for Petro. Feed. Use	--	--	763	68	-97	--	82	--	--	652	542
Other Oils for Petro. Feed. Use	--	--	287	55	-9	--	1	--	--	332	150
Special Naphthas	--	--	45	42	19	--	6	--	--	100	102
Lubricants	--	--	215	230	212	--	-131	--	185	603	554
Waxes	--	--	27	5	--	--	-9	--	25	16	39
Petroleum Coke	--	--	5,655	37	--	--	-91	--	584	5,199	901
Marketable	--	--	4,267	37	--	--	-91	--	584	3,811	901
Catalyst	--	--	1,388	--	--	--	--	--	--	1,388	--
Asphalt and Road Oil	--	--	5,002	257	-59	--	1,049	--	95	4,056	14,503
Still Gas	--	--	4,180	--	--	--	--	--	--	4,180	--
Miscellaneous Products	--	--	473	--	20	--	24	--	0	469	119
Total	74,040	28,651	141,650	79,730	-17,924	-558	8,642	134,695	16,285	145,968	337,823

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³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

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⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	196,429	--	--	315,109	-21,305	-12,667	7,528	445,645	24,393	0	158,807
Natural Gas Plant Liquids and Liquefied Refinery Gases	93,798	-2,368	11,575	11,489	-37,297	--	-10,389	12,420	20,814	54,351	37,538
Pentanes Plus	10,321	-2,368	--	20	19,505	--	547	2,243	12,915	11,773	9,839
Liquefied Petroleum Gases	83,477	--	11,575	11,469	-56,802	--	-10,936	10,177	7,900	42,578	27,699
Ethane/Ethylene	30,432	--	--	--	-13,724	--	238	--	6,257	10,213	5,919
Propane/Propylene	35,503	--	14,169	9,921	-38,485	--	-9,749	--	704	30,153	12,385
Normal Butane/Butylene	11,711	--	-2,036	801	-5,060	--	-1,591	4,555	938	1,514	7,327
Isobutane/Isobutylene	5,831	--	-558	747	467	--	166	5,622	0	699	2,068
Other Liquids	--	119,961	--	1,085	-49,947	-7,611	7,283	54,509	4,300	-2,604	73,820
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	119,966	--	139	-77,967	-3,002	1,869	34,910	2,357	0	9,669
Hydrogen	--	--	--	--	--	4,694	--	4,694	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	8	--	--	--	1	6	--	3	0	6
Renewable Fuels (including Fuel Ethanol)	--	119,958	--	108	-77,967	-7,797	1,834	30,114	2,353	0	9,617
Fuel Ethanol	--	112,982	--	--	-76,122	-4,780	1,473	28,543	2,064	0	8,567
Renewable Fuels Except Fuel Ethanol	--	6,976	--	108	-1,845	-3,017	361	1,571	290	0	1,050
Other Hydrocarbons	--	--	--	31	--	100	29	102	--	0	46
Unfinished Oils	--	--	--	--	-728	--	405	-320	1,791	-2,604	13,542
Motor Gasoline Blend. Comp. (MGBC)	--	-5	--	946	28,748	-4,609	5,009	19,919	152	0	50,609
Reformulated	--	-1	--	--	4,543	-2,629	-498	2,411	0	0	6,049
Conventional	--	-4	--	946	24,205	-1,980	5,507	17,508	152	0	44,560
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	328	528,683	2,954	11,097	12,447	6,225	--	5,774	543,511	67,658
Finished Motor Gasoline	--	328	298,113	--	431	9,389	-1,051	--	551	308,761	6,196
Reformulated	--	--	42,785	--	--	3,104	--	--	--	45,889	--
Conventional	--	328	255,328	--	431	6,285	-1,051	--	551	262,872	6,196
Finished Aviation Gasoline	--	--	185	3	239	--	1	--	--	426	212
Kerosene-Type Jet Fuel	--	--	29,811	5	2,578	--	819	--	1,122	30,453	7,648
Kerosene	--	--	213	--	--	--	-52	--	6	259	144
Distillate Fuel Oil	--	--	130,235	124	10,208	3,058	2,532	--	1,128	139,965	35,094
15 ppm sulfur and under	--	--	130,718	113	9,721	3,058	3,099	--	7	140,504	34,387
Greater than 15 ppm to 500 ppm sulfur	--	--	432	--	304	--	-72	--	723	85	378
Greater than 500 ppm sulfur	--	--	-915	11	183	--	-495	--	398	-624	329
Residual Fuel Oil ⁶	--	--	6,225	285	-3,099	--	-35	--	1,045	2,401	1,454
Less than 0.31 percent sulfur	--	--	421	--	--	--	62	--	NA	NA	94
0.31 to 1.00 percent sulfur	--	--	1,058	75	-95	--	-11	--	NA	NA	276
Greater than 1.00 percent sulfur	--	--	4,746	210	-2,886	--	-86	--	NA	NA	1,084
Petrochemical Feedstocks	--	--	3,944	560	-442	--	159	--	--	3,903	692
Naphtha for Petro. Feed. Use	--	--	2,869	304	-350	--	151	--	--	2,672	542
Other Oils for Petro. Feed. Use	--	--	1,075	256	-92	--	8	--	--	1,231	150
Special Naphthas	--	--	191	164	88	--	-59	--	--	502	102
Lubricants	--	--	939	817	1,005	--	-186	--	703	2,244	554
Waxes	--	--	123	16	--	--	-5	--	102	42	39
Petroleum Coke	--	--	22,800	106	--	--	-177	--	822	22,261	901
Marketable	--	--	17,191	106	--	--	-177	--	822	16,652	901
Catalyst	--	--	5,609	--	--	--	--	--	--	5,609	--
Asphalt and Road Oil	--	--	17,423	874	13	--	4,283	--	294	13,733	14,503
Still Gas	--	--	16,548	--	--	--	--	--	--	16,548	--
Miscellaneous Products	--	--	1,933	--	76	--	-4	--	0	2,013	119
Total	290,227	117,921	540,258	330,637	-97,453	-7,831	10,647	512,574	55,281	595,258	337,823

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,670	--	--	2,562	-89	-59	83	3,801	200	0
Natural Gas Plant Liquids and Liquefied Refinery Gases	798	-19	183	69	-333	--	106	89	259	244
Pentanes Plus	91	-19	--	0	173	--	6	25	179	35
Liquefied Petroleum Gases	706	--	183	69	-506	--	100	63	80	209
Ethane/Ethylene	250	--	--	--	-97	--	-1	--	58	97
Propane/Propylene	304	--	120	53	-342	--	27	--	10	99
Normal Butane/Butylene	95	--	64	8	-63	--	68	21	12	2
Isobutane/Isobutylene	56	--	-1	9	-4	--	6	43	0	11
Other Liquids	--	971	--	3	-303	-44	-9	600	29	6
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	971	--	1	-587	-52	13	300	20	0
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	971	--	1	-587	-93	13	260	20	0
Fuel Ethanol	--	904	--	--	-575	-59	11	245	14	0
Renewable Fuels Except Fuel Ethanol	--	67	--	1	-12	-34	2	16	6	0
Other Hydrocarbons	--	--	--	--	--	1	0	0	--	0
Unfinished Oils	--	--	--	--	3	--	-9	0	6	6
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	1	281	8	-13	300	3	0
Reformulated	--	--	--	--	37	-22	-20	34	--	0
Conventional	--	0	--	1	244	30	7	266	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	3	4,539	24	128	84	107	--	55	4,615
Finished Motor Gasoline	--	3	2,557	--	22	51	7	--	2	2,624
Reformulated	--	--	363	--	--	30	--	--	--	393
Conventional	--	3	2,194	--	22	21	7	--	2	2,231
Finished Aviation Gasoline	--	--	1	0	3	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	248	--	23	--	0	--	10	261
Kerosene	--	--	1	--	--	--	1	--	0	0
Distillate Fuel Oil	--	--	1,126	0	98	34	68	--	5	1,184
15 ppm sulfur and under	--	--	1,130	0	91	34	73	--	0	1,182
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	3	--	-3	--	2	5
Greater than 500 ppm sulfur	--	--	-5	--	4	--	-2	--	4	-3
Residual Fuel Oil ⁶	--	--	50	1	-20	--	1	--	8	22
Less than 0.31 percent sulfur	--	--	4	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	9	1	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	37	--	-19	--	1	--	NA	NA
Petrochemical Feedstocks	--	--	35	4	-4	--	3	--	--	33
Naphtha for Petro. Feed. Use	--	--	25	2	-3	--	3	--	--	22
Other Oils for Petro. Feed. Use	--	--	10	2	0	--	0	--	--	11
Special Naphthas	--	--	2	1	1	--	0	--	--	3
Lubricants	--	--	7	8	7	--	-4	--	6	20
Waxes	--	--	1	0	--	--	0	--	1	1
Petroleum Coke	--	--	189	1	--	--	-3	--	19	173
Marketable	--	--	142	1	--	--	-3	--	19	127
Catalyst	--	--	46	--	--	--	--	--	--	46
Asphalt and Road Oil	--	--	167	9	-2	--	35	--	3	135
Still Gas	--	--	139	--	--	--	--	--	--	139
Miscellaneous Products	--	--	16	--	1	--	1	--	0	16
Total	2,468	955	4,722	2,658	-597	-19	288	4,490	543	4,866

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,637	--	--	2,626	-178	-106	63	3,714	203	0
Natural Gas Plant Liquids and Liquefied Refinery Gases	782	-20	96	96	-311	--	-87	104	173	453
Pentanes Plus	86	-20	--	0	163	--	5	19	108	98
Liquefied Petroleum Gases	696	--	96	96	-473	--	-91	85	66	355
Ethane/Ethylene	254	--	--	--	-114	--	2	--	52	85
Propane/Propylene	296	--	118	83	-321	--	-81	--	6	251
Normal Butane/Butylene	98	--	-17	7	-42	--	-13	38	8	13
Isobutane/Isobutylene	49	--	-5	6	4	--	1	47	0	6
Other Liquids	--	1,000	--	9	-416	-63	61	454	36	-22
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,000	--	1	-650	-25	16	291	20	0
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	0	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,000	--	1	-650	-65	15	251	20	0
Fuel Ethanol	--	942	--	--	-634	-40	12	238	17	0
Renewable Fuels Except Fuel Ethanol	--	58	--	1	-15	-25	3	13	2	0
Other Hydrocarbons	--	--	--	0	--	1	0	1	--	0
Unfinished Oils	--	--	--	--	-6	--	3	-3	15	-22
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	8	240	-38	42	166	1	0
Reformulated	--	0	--	--	38	-22	-4	20	0	0
Conventional	--	0	--	8	202	-16	46	146	1	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	3	4,406	25	92	104	52	--	48	4,529
Finished Motor Gasoline	--	3	2,484	--	4	78	-9	--	5	2,573
Reformulated	--	--	357	--	--	26	--	--	--	382
Conventional	--	3	2,128	--	4	52	-9	--	5	2,191
Finished Aviation Gasoline	--	--	2	0	2	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	248	0	21	--	7	--	9	254
Kerosene	--	--	2	--	--	--	0	--	0	2
Distillate Fuel Oil	--	--	1,085	1	85	25	21	--	9	1,166
15 ppm sulfur and under	--	--	1,089	1	81	25	26	--	0	1,171
Greater than 15 ppm to 500 ppm sulfur	--	--	4	--	3	--	-1	--	6	1
Greater than 500 ppm sulfur	--	--	-8	0	2	--	-4	--	3	-5
Residual Fuel Oil ⁶	--	--	52	2	-26	--	0	--	9	20
Less than 0.31 percent sulfur	--	--	4	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	9	1	-1	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	40	2	-24	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	33	5	-4	--	1	--	--	33
Naphtha for Petro. Feed. Use	--	--	24	3	-3	--	1	--	--	22
Other Oils for Petro. Feed. Use	--	--	9	2	-1	--	0	--	--	10
Special Naphthas	--	--	2	1	1	--	0	--	--	4
Lubricants	--	--	8	7	8	--	-2	--	6	19
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	190	1	--	--	-1	--	7	186
Marketable	--	--	143	1	--	--	-1	--	7	139
Catalyst	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	145	7	0	--	36	--	2	114
Still Gas	--	--	138	--	--	--	--	--	--	138
Miscellaneous Products	--	--	16	--	1	--	0	--	0	17
Total	2,419	983	4,502	2,755	-812	-65	89	4,271	461	4,960

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil⁶	170,336	--	--	96,732	8,572	1,378	-14,465	268,224	23,259	0	959,312
Natural Gas Plant Liquids and Liquefied Refinery Gases	59,530	-16	15,586	497	21,407	--	2,734	7,668	30,737	55,865	110,269
Pentanes Plus	6,497	-16	--	396	-3,803	--	-1,158	2,920	50	1,262	10,168
Liquefied Petroleum Gases	53,033	--	15,586	101	25,210	--	3,892	4,748	30,687	54,603	100,101
Ethane/Ethylene	24,764	--	157	--	10,126	--	2,307	--	1,998	30,742	49,682
Propane/Propylene	18,281	--	11,703	--	11,493	--	-1,907	--	24,476	18,908	26,197
Normal Butane/Butylene	2,912	--	3,844	101	2,899	--	3,553	1,394	4,112	697	17,989
Isobutane/Isobutylene	7,076	--	-118	--	692	--	-61	3,354	101	4,256	6,233
Other Liquids	--	3,447	--	13,635	-57,286	1,103	720	-54,139	8,652	5,666	127,949
Hydrogen/Oxygenates/Renewables/											
Other Hydrocarbons	--	3,447	--	330	4,255	3,794	-433	8,844	3,414	0	7,999
Hydrogen	--	--	--	--	--	3,926	--	3,926	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,152	--	321	--	-720	31	--	1,722	0	1,691
Renewable Fuels (including Fuel Ethanol)	--	1,295	--	--	4,255	597	-464	4,918	1,692	0	6,308
Fuel Ethanol	--	692	--	--	4,209	974	-217	4,476	1,615	0	4,146
Renewable Fuels Except Fuel Ethanol	--	603	--	--	46	-377	-247	442	77	0	2,162
Other Hydrocarbons	--	--	--	9	--	-9	--	--	--	0	--
Unfinished Oils	--	--	--	11,722	-34	--	-496	2,383	4,114	5,687	47,237
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	1,583	-61,507	-2,691	1,645	-65,383	1,123	0	72,700
Reformulated	--	--	--	--	-10,733	1,081	1,056	-10,711	3	0	11,071
Conventional	--	--	--	1,583	-50,774	-3,771	589	-54,672	1,121	0	61,629
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	4	17	--	-21	13
Finished Petroleum Products	--	--	224,843	3,759	-50,472	2,227	-4,763	--	83,947	101,173	113,271
Finished Motor Gasoline	--	--	64,324	--	-8,002	1,717	-125	--	18,274	39,890	7,892
Reformulated	--	--	14,070	--	--	-1,604	--	--	--	12,466	--
Conventional	--	--	50,254	--	-8,002	3,321	-125	--	18,274	27,423	7,892
Finished Aviation Gasoline	--	--	278	--	-1,359	--	111	--	--	-1,192	465
Kerosene-Type Jet Fuel	--	--	27,160	--	-15,370	--	-9	--	5,434	6,365	13,922
Kerosene	--	--	57	--	--	--	-68	--	56	69	159
Distillate Fuel Oil	--	--	83,644	--	-25,437	510	-2,184	--	36,121	24,780	46,419
15 ppm sulfur and under	--	--	76,083	--	-23,225	510	-1,807	--	30,990	24,185	40,744
Greater than 15 ppm to 500 ppm sulfur	--	--	3,151	--	-481	--	-63	--	3,548	-815	1,596
Greater than 500 ppm sulfur	--	--	4,410	--	-1,731	--	-314	--	1,583	1,410	4,079
Residual Fuel Oil ⁷	--	--	5,862	1,792	476	--	-787	--	6,681	2,236	24,320
Less than 0.31 percent sulfur	--	--	1,037	456	30	--	-361	--	NA	NA	1,520
0.31 to 1.00 percent sulfur	--	--	292	298	--	--	41	--	NA	NA	6,450
Greater than 1.00 percent sulfur	--	--	4,533	1,038	446	--	-467	--	NA	NA	16,350
Petrochemical Feedstocks	--	--	8,760	1,228	143	--	-182	--	--	10,313	2,264
Naphtha for Petro. Feed. Use	--	--	5,010	889	97	--	-134	--	--	6,130	1,342
Other Oils for Petro. Feed. Use	--	--	3,750	339	46	--	-48	--	--	4,183	922
Special Naphthas	--	--	1,019	129	-19	--	-40	--	--	1,169	903
Lubricants	--	--	3,250	594	-585	--	-962	--	2,717	1,504	6,403
Waxes	--	--	115	8	--	--	1	--	14	108	265
Petroleum Coke	--	--	15,186	8	--	--	-412	--	14,296	1,310	4,209
Marketable	--	--	11,721	8	--	--	-412	--	14,296	-2,155	4,209
Catalyst	--	--	3,465	--	--	--	--	--	--	3,465	--
Asphalt and Road Oil	--	--	2,522	--	-299	--	-198	--	342	2,079	5,589
Still Gas	--	--	10,835	--	--	--	--	--	--	10,835	--
Miscellaneous Products	--	--	1,831	--	-20	--	92	--	10	1,709	461
Total	229,866	3,431	240,429	114,623	-77,779	4,708	-15,774	221,753	146,595	162,704	1,310,801

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil⁶	682,484	--	--	384,770	34,714	20,206	18,447	1,021,646	82,081	0	959,312
Natural Gas Plant Liquids and Liquefied Refinery Gases	233,666	-68	47,511	1,676	71,564	--	-29,760	36,444	127,973	219,692	110,269
Pentanes Plus	24,606	-68	--	1,356	-14,309	--	-5,050	11,619	158	4,858	10,168
Liquefied Petroleum Gases	209,060	--	47,511	320	85,873	--	-24,710	24,825	127,815	214,834	100,101
Ethane/Ethylene	98,352	--	542	--	39,653	--	2,234	--	7,450	128,863	49,682
Propane/Propylene	71,756	--	44,104	14	37,672	--	-26,823	--	107,203	73,166	26,197
Normal Butane/Butylene	14,712	--	2,418	306	7,152	--	-1,019	11,889	12,607	1,111	17,989
Isobutane/Isobutylene	24,240	--	447	--	1,396	--	898	12,936	555	11,694	6,233
Other Liquids	--	12,728	--	56,148	-204,890	2,265	8,097	-200,420	44,909	13,666	127,949
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	12,728	--	2,727	22,253	14,649	926	35,157	16,275	0	7,999
Hydrogen	--	--	--	--	--	15,694	--	15,694	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	8,289	--	1,677	--	-1,503	214	318	7,931	0	1,691
Renewable Fuels (including Fuel Ethanol)	--	4,439	--	992	22,253	516	712	19,145	8,344	0	6,308
Fuel Ethanol	--	2,512	--	771	21,990	1,070	821	17,333	8,190	0	4,146
Renewable Fuels Except Fuel Ethanol	--	1,927	--	221	263	-554	-109	1,812	154	0	2,162
Other Hydrocarbons	--	--	--	58	--	-58	--	--	--	0	--
Unfinished Oils	--	--	--	48,405	888	--	5,665	9,808	20,123	13,697	47,237
Motor Gasoline Blend. Comp. (MGBC)	--	--	--	5,016	-228,031	-12,385	1,502	-245,412	8,510	0	72,700
Reformulated	--	--	--	--	-42,771	15,692	-584	-26,516	21	0	11,071
Conventional	--	--	--	5,016	-185,260	-28,076	2,086	-218,896	8,490	0	61,629
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	4	27	--	-31	13
Finished Petroleum Products	--	--	881,976	18,829	-204,304	12,536	-10,521	--	313,854	405,704	113,271
Finished Motor Gasoline	--	--	258,740	--	-33,644	11,314	-3,582	--	74,062	165,930	7,892
Reformulated	--	--	55,090	--	--	-17,525	--	--	--	37,565	--
Conventional	--	--	203,650	--	-33,644	28,839	-3,582	--	74,062	128,365	7,892
Finished Aviation Gasoline	--	--	954	--	-3,842	--	48	--	--	-2,936	465
Kerosene-Type Jet Fuel	--	--	103,524	--	-60,097	--	-1,144	--	17,703	26,868	13,922
Kerosene	--	--	193	--	--	--	-87	--	214	66	159
Distillate Fuel Oil	--	--	321,705	710	-105,844	1,222	-2,373	--	125,237	94,929	46,419
15 ppm sulfur and under	--	--	292,250	--	-97,076	1,222	-1,639	--	108,634	89,401	40,744
Greater than 15 ppm to 500 ppm sulfur	--	--	11,902	--	-1,151	--	99	--	12,745	-2,093	1,596
Greater than 500 ppm sulfur	--	--	17,553	710	-7,617	--	-833	--	3,859	7,620	4,079
Residual Fuel Oil ⁷	--	--	25,956	8,626	3,073	--	-36	--	28,041	9,650	24,320
Less than 0.31 percent sulfur	--	--	4,077	1,031	221	--	-751	--	NA	NA	1,520
0.31 to 1.00 percent sulfur	--	--	1,641	583	95	--	1,161	--	NA	NA	6,450
Greater than 1.00 percent sulfur	--	--	20,238	7,012	2,757	--	-446	--	NA	NA	16,350
Petrochemical Feedstocks	--	--	34,001	4,360	555	--	-283	--	--	39,199	2,264
Naphtha for Petro. Feed. Use	--	--	21,562	3,452	350	--	-118	--	--	25,482	1,342
Other Oils for Petro. Feed. Use	--	--	12,439	908	205	--	-165	--	--	13,717	922
Special Naphthas	--	--	3,906	1,415	-88	--	-103	--	--	5,336	903
Lubricants	--	--	15,164	3,039	-3,011	--	-3,426	--	11,659	6,959	6,403
Waxes	--	--	475	133	--	--	15	--	75	518	265
Petroleum Coke	--	--	59,386	546	--	--	-339	--	55,592	4,679	4,209
Marketable	--	--	45,985	546	--	--	-339	--	55,592	-8,722	4,209
Catalyst	--	--	13,401	--	--	--	--	--	--	13,401	--
Asphalt and Road Oil	--	--	8,982	--	-1,330	--	752	--	1,128	5,772	5,589
Still Gas	--	--	42,036	--	--	--	--	--	--	42,036	--
Miscellaneous Products	--	--	6,954	--	-76	--	37	--	143	6,698	461
Total	916,150	12,660	929,487	461,423	-302,916	35,007	-13,737	857,670	568,816	639,062	1,310,801

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	5,678	--	--	3,224	286	46	-482	8,941	775	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	1,984	-1	520	17	714	--	91	256	1,025	1,862
Pentanes Plus	217	-1	--	13	-127	--	-39	97	2	42
Liquefied Petroleum Gases	1,768	--	520	3	840	--	130	158	1,023	1,820
Ethane/Ethylene	825	--	5	--	338	--	77	--	67	1,025
Propane/Propylene	609	--	390	--	383	--	-64	--	816	630
Normal Butane/Butylene	97	--	128	3	97	--	118	46	137	23
Isobutane/Isobutylene	236	--	-4	--	23	--	-2	112	3	142
Other Liquids	--	115	--	455	-1,910	37	24	-1,805	288	189
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	115	--	11	142	126	-14	295	114	0
Hydrogen	--	--	--	--	--	131	--	131	--	0
Oxygenates (excluding Fuel Ethanol)	--	72	--	11	--	-24	1	--	57	0
Renewable Fuels (including Fuel Ethanol)	--	43	--	--	142	20	-15	164	56	0
Fuel Ethanol	--	23	--	--	140	32	-7	149	54	0
Renewable Fuels Except Fuel Ethanol	--	20	--	--	2	-13	-8	15	3	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	391	-1	--	-17	79	137	190
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	53	-2,050	-90	55	-2,179	37	0
Reformulated	--	--	--	--	-358	36	35	-357	0	0
Conventional	--	--	--	53	-1,692	-126	20	-1,822	37	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	1	--	-1
Finished Petroleum Products	--	--	7,495	125	-1,682	74	-159	--	2,798	3,372
Finished Motor Gasoline	--	--	2,144	--	-267	57	-4	--	609	1,330
Reformulated	--	--	469	--	--	-53	--	--	--	416
Conventional	--	--	1,675	--	-267	111	-4	--	609	914
Finished Aviation Gasoline	--	--	9	--	-45	--	4	--	--	-40
Kerosene-Type Jet Fuel	--	--	905	--	-512	--	0	--	181	212
Kerosene	--	--	2	--	--	--	-2	--	2	2
Distillate Fuel Oil	--	--	2,788	--	-848	17	-73	--	1,204	826
15 ppm sulfur and under	--	--	2,536	--	-774	17	-60	--	1,033	806
Greater than 15 ppm to 500 ppm sulfur	--	--	105	--	-16	--	-2	--	118	-27
Greater than 500 ppm sulfur	--	--	147	--	-58	--	-10	--	53	47
Residual Fuel Oil ⁷	--	--	195	60	16	--	-26	--	223	75
Less than 0.31 percent sulfur	--	--	35	15	1	--	-12	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	10	10	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	151	35	15	--	-16	--	NA	NA
Petrochemical Feedstocks	--	--	292	41	5	--	-6	--	--	344
Naphtha for Petro. Feed. Use	--	--	167	30	3	--	-4	--	--	204
Other Oils for Petro. Feed. Use	--	--	125	11	2	--	-2	--	--	139
Special Naphthas	--	--	34	4	-1	--	-1	--	--	39
Lubricants	--	--	108	20	-20	--	-32	--	91	50
Waxes	--	--	4	0	--	--	0	--	0	4
Petroleum Coke	--	--	506	0	--	--	-14	--	477	44
Marketable	--	--	391	0	--	--	-14	--	477	-72
Catalyst	--	--	116	--	--	--	--	--	--	116
Asphalt and Road Oil	--	--	84	--	-10	--	-7	--	11	69
Still Gas	--	--	361	--	--	--	--	--	--	361
Miscellaneous Products	--	--	61	--	-1	--	3	--	0	57
Total	7,662	114	8,014	3,821	-2,593	157	-526	7,392	4,886	5,423

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	5,687	--	--	3,206	289	168	154	8,514	684	0
Natural Gas Plant Liquids and Liquefied Refinery Gases	1,947	-1	396	14	596	--	-248	304	1,066	1,831
Pentanes Plus	205	-1	--	11	-119	--	-42	97	1	40
Liquefied Petroleum Gases	1,742	--	396	3	716	--	-206	207	1,065	1,790
Ethane/Ethylene	820	--	5	--	330	--	19	--	62	1,074
Propane/Propylene	598	--	368	0	314	--	-224	--	893	610
Normal Butane/Butylene	123	--	20	3	60	--	-8	99	105	9
Isobutane/Isobutylene	202	--	4	--	12	--	7	108	5	97
Other Liquids	--	106	--	468	-1,707	19	67	-1,670	374	114
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	106	--	23	185	122	8	293	136	0
Hydrogen	--	--	--	--	--	131	--	131	--	0
Oxygenates (excluding Fuel Ethanol)	--	69	--	14	--	-13	2	3	66	0
Renewable Fuels (including Fuel Ethanol)	--	37	--	8	185	4	6	160	70	0
Fuel Ethanol	--	21	--	6	183	9	7	144	68	0
Renewable Fuels Except Fuel Ethanol	--	16	--	2	2	-5	-1	15	1	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	403	7	--	47	82	168	114
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	42	-1,900	-103	13	-2,045	71	0
Reformulated	--	--	--	--	-356	131	-5	-221	0	0
Conventional	--	--	--	42	-1,544	-234	17	-1,824	71	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	--	7,350	157	-1,703	104	-88	--	2,615	3,381
Finished Motor Gasoline	--	--	2,156	--	-280	94	-30	--	617	1,383
Reformulated	--	--	459	--	--	-146	--	--	--	313
Conventional	--	--	1,697	--	-280	240	-30	--	617	1,070
Finished Aviation Gasoline	--	--	8	--	-32	--	0	--	--	-24
Kerosene-Type Jet Fuel	--	--	863	--	-501	--	-10	--	148	224
Kerosene	--	--	2	--	--	--	-1	--	2	1
Distillate Fuel Oil	--	--	2,681	6	-882	10	-20	--	1,044	791
15 ppm sulfur and under	--	--	2,435	--	-809	10	-14	--	905	745
Greater than 15 ppm to 500 ppm sulfur	--	--	99	--	-10	--	1	--	106	-17
Greater than 500 ppm sulfur	--	--	146	6	-63	--	-7	--	32	64
Residual Fuel Oil ⁷	--	--	216	72	26	--	0	--	234	80
Less than 0.31 percent sulfur	--	--	34	9	2	--	-6	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	14	5	1	--	10	--	NA	NA
Greater than 1.00 percent sulfur	--	--	169	58	23	--	-4	--	NA	NA
Petrochemical Feedstocks	--	--	283	36	5	--	-2	--	--	327
Naphtha for Petro. Feed. Use	--	--	180	29	3	--	-1	--	--	212
Other Oils for Petro. Feed. Use	--	--	104	8	2	--	-1	--	--	114
Special Naphthas	--	--	33	12	-1	--	-1	--	--	44
Lubricants	--	--	126	25	-25	--	-29	--	97	58
Waxes	--	--	4	1	--	--	0	--	1	4
Petroleum Coke	--	--	495	5	--	--	-3	--	463	39
Marketable	--	--	383	5	--	--	-3	--	463	-73
Catalyst	--	--	112	--	--	--	--	--	--	112
Asphalt and Road Oil	--	--	75	--	-11	--	6	--	9	48
Still Gas	--	--	350	--	--	--	--	--	--	350
Miscellaneous Products	--	--	58	--	-1	--	0	--	1	56
Total	7,635	106	7,746	3,845	-2,524	292	-114	7,147	4,740	5,326

-- = Not Applicable.

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³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

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⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁷ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	19,985	--	--	10,127	-11,796	339	-901	19,440	115	0	24,527
Natural Gas Plant Liquids and Liquefied Refinery Gases	11,254	-9	562	156	-10,510	--	367	532	466	88	2,882
Pentanes Plus	1,670	-9	--	--	-1,362	--	5	163	418	-287	318
Liquefied Petroleum Gases	9,584	--	562	156	-9,148	--	362	369	48	375	2,564
Ethane/Ethylene	3,195	--	--	--	-3,058	--	-8	--	--	145	459
Propane/Propylene	4,079	--	291	132	-3,889	--	77	--	0	536	940
Normal Butane/Butylene	1,565	--	245	--	-1,396	--	285	134	48	-53	915
Isobutane/Isobutylene	745	--	26	24	-805	--	8	235	--	-253	250
Other Liquids	--	412	--	27	-133	-410	138	-271	16	13	9,576
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	412	--	5	364	303	-44	1,122	6	0	310
Hydrogen	--	--	--	--	--	210	--	210	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol) ..	--	412	--	5	364	93	-44	912	6	0	310
Fuel Ethanol	--	412	--	--	346	59	-45	862	0	0	297
Renewable Fuels Except Fuel Ethanol	--	--	--	5	18	34	1	50	6	0	13
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	279	-302	10	13	3,171
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	22	-497	-713	-97	-1,091	--	0	6,095
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-497	-713	-97	-1,091	--	0	6,095
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	20,014	179	377	620	688	--	32	20,469	9,857
Finished Motor Gasoline	--	--	9,427	--	-449	654	-34	--	2	9,664	1,714
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,427	--	-449	654	-34	--	2	9,664	1,714
Finished Aviation Gasoline	--	--	--	1	--	--	-4	--	--	5	7
Kerosene-Type Jet Fuel	--	--	1,122	3	725	--	142	--	--	1,708	740
Kerosene	--	--	--	--	--	--	0	--	--	0	2
Distillate Fuel Oil	--	--	6,402	109	101	-34	336	--	--	6,242	4,423
15 ppm sulfur and under	--	--	6,313	109	164	-34	314	--	--	6,238	4,143
Greater than 15 ppm to 500 ppm sulfur	--	--	91	--	--	--	24	--	--	67	234
Greater than 500 ppm sulfur	--	--	-2	--	-63	--	-2	--	--	-63	46
Residual Fuel Oil ⁶	--	--	373	--	--	--	29	--	16	328	286
Less than 0.31 percent sulfur	--	--	206	--	--	--	13	--	NA	NA	45
0.31 to 1.00 percent sulfur	--	--	26	--	--	--	9	--	NA	NA	13
Greater than 1.00 percent sulfur	--	--	141	--	--	--	7	--	NA	NA	228
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	12	-12	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	779	--	--	--	-68	--	0	847	137
Marketable	--	--	536	--	--	--	-68	--	0	604	137
Catalyst	--	--	243	--	--	--	--	--	--	243	--
Asphalt and Road Oil	--	--	1,086	65	--	--	287	--	1	863	2,526
Still Gas	--	--	726	--	--	--	--	--	--	726	--
Miscellaneous Products	--	--	99	1	--	--	0	--	0	100	22
Total	31,239	403	20,576	10,489	-22,063	549	292	19,701	629	20,570	46,842

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	76,979	--	--	43,910	-47,122	1,463	1,207	73,755	268	0	24,527
Natural Gas Plant Liquids and Liquefied Refinery Gases	44,083	-37	1,358	1,553	-38,471	--	-463	2,388	1,590	4,971	2,882
Pentanes Plus	6,765	-37	--	--	-5,156	--	14	575	1,497	-514	318
Liquefied Petroleum Gases	37,318	--	1,358	1,553	-33,315	--	-477	1,813	93	5,485	2,564
Ethane/Ethylene	11,720	--	--	--	-10,672	--	23	--	--	1,025	459
Propane/Propylene	16,330	--	1,202	1,443	-14,220	--	-413	--	1	5,167	940
Normal Butane/Butylene	6,282	--	84	46	-5,381	--	-79	989	93	28	915
Isobutane/Isobutylene	2,986	--	72	64	-3,042	--	-8	824	--	-736	250
Other Liquids	--	1,694	--	60	-970	-834	708	-1,013	69	186	9,576
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	1,694	--	20	1,217	1,359	-57	4,341	6	0	310
Hydrogen	--	--	--	--	--	858	--	858	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,694	--	20	1,217	501	-57	3,483	6	0	310
Fuel Ethanol	--	1,694	--	--	1,122	457	-56	3,329	0	0	297
Renewable Fuels Except Fuel Ethanol	--	--	--	20	95	44	-1	154	6	0	13
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	342	-591	63	186	3,171
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	40	-2,187	-2,193	423	-4,763	0	0	6,095
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-2,187	-2,193	423	-4,763	0	0	6,095
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	77,443	411	-571	1,692	864	--	128	77,982	9,857
Finished Motor Gasoline	--	--	36,381	--	-2,079	1,735	-524	--	3	36,559	1,714
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	36,381	--	-2,079	1,735	-524	--	3	36,559	1,714
Finished Aviation Gasoline	--	--	14	1	--	--	-2	--	--	17	7
Kerosene-Type Jet Fuel	--	--	3,893	18	2,692	--	140	--	--	6,463	740
Kerosene	--	--	2	--	--	--	1	--	--	1	2
Distillate Fuel Oil	--	--	24,978	134	-1,184	-44	107	--	--	23,777	4,423
15 ppm sulfur and under	--	--	24,829	134	-1,046	-44	101	--	--	23,772	4,143
Greater than 15 ppm to 500 ppm sulfur	--	--	165	--	--	--	14	--	--	151	234
Greater than 500 ppm sulfur	--	--	-16	--	-138	--	-8	--	--	-146	46
Residual Fuel Oil ⁶	--	--	1,417	--	--	--	62	--	74	1,281	286
Less than 0.31 percent sulfur	--	--	812	--	--	--	11	--	NA	NA	45
0.31 to 1.00 percent sulfur	--	--	62	--	--	--	9	--	NA	NA	13
Greater than 1.00 percent sulfur	--	--	543	--	--	--	42	--	NA	NA	228
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	43	-43	--
Waxes	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	3,273	--	--	--	-7	--	0	3,280	137
Marketable	--	--	2,310	--	--	--	-7	--	0	2,317	137
Catalyst	--	--	963	--	--	--	--	--	--	963	--
Asphalt and Road Oil	--	--	4,170	254	--	--	1,082	--	8	3,334	2,526
Still Gas	--	--	2,893	--	--	--	--	--	--	2,893	--
Miscellaneous Products	--	--	422	4	--	--	5	--	0	421	22
Total	121,062	1,657	78,801	45,934	-87,135	2,321	2,316	75,130	2,055	83,139	46,842

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	666	--	--	338	-393	11	-30	648	4	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	375	0	19	5	-350	--	12	18	16	3
Pentanes Plus	56	0	--	--	-45	--	0	5	14	-10
Liquefied Petroleum Gases	319	--	19	5	-305	--	12	12	2	13
Ethane/Ethylene	107	--	--	--	-102	--	0	--	--	5
Propane/Propylene	136	--	10	4	-130	--	3	--	0	18
Normal Butane/Butylene	52	--	8	--	-47	--	10	4	2	-2
Isobutane/Isobutylene	25	--	1	1	-27	--	0	8	--	-8
Other Liquids	--	14	--	1	-4	-14	5	-9	1	0
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	12	10	-1	37	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	12	3	-1	30	0	0
Fuel Ethanol	--	14	--	--	12	2	-2	29	0	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	1	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	9	-10	0	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	-17	-24	-3	-36	--	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-17	-24	-3	-36	--	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	667	6	13	21	23	--	1	682
Finished Motor Gasoline	--	--	314	--	-15	22	-1	--	0	322
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	314	--	-15	22	-1	--	0	322
Finished Aviation Gasoline	--	--	--	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	37	0	24	--	5	--	--	57
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	213	4	3	-1	11	--	--	208
15 ppm sulfur and under	--	--	210	4	5	-1	10	--	--	208
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	--	--	1	--	--	2
Greater than 500 ppm sulfur	--	--	0	--	-2	--	0	--	--	-2
Residual Fuel Oil ⁶	--	--	12	--	--	--	1	--	1	11
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	26	--	--	--	-2	--	0	28
Marketable	--	--	18	--	--	--	-2	--	0	20
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	36	2	--	--	10	--	0	29
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	3	0	--	--	0	--	0	3
Total	1,041	13	686	350	-735	18	10	657	21	686

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	641	--	--	366	-393	12	10	615	2	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	367	0	11	13	-321	--	-4	20	13	41
Pentanes Plus	56	0	--	--	-43	--	0	5	12	-4
Liquefied Petroleum Gases	311	--	11	13	-278	--	-4	15	1	46
Ethane/Ethylene	98	--	--	--	-89	--	0	--	--	9
Propane/Propylene	136	--	10	12	-119	--	-3	--	0	43
Normal Butane/Butylene	52	--	1	0	-45	--	-1	8	1	0
Isobutane/Isobutylene	25	--	1	1	-25	--	0	7	--	-6
Other Liquids	--	14	--	1	-8	-7	6	-8	1	2
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	10	11	0	36	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	10	4	0	29	0	0
Fuel Ethanol	--	14	--	--	9	4	0	28	0	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	0	0	1	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	3	-5	1	2
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	0	-18	-18	4	-40	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-18	-18	4	-40	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	645	3	-5	14	7	--	1	650
Finished Motor Gasoline	--	--	303	--	-17	14	-4	--	0	305
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	303	--	-17	14	-4	--	0	305
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	32	0	22	--	1	--	--	54
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	208	1	-10	0	1	--	--	198
15 ppm sulfur and under	--	--	207	1	-9	0	1	--	--	198
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	0	--	--	1
Greater than 500 ppm sulfur	--	--	0	--	-1	--	0	--	--	-1
Residual Fuel Oil ⁶	--	--	12	--	--	--	1	--	1	11
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	27	--	--	--	0	--	0	27
Marketable	--	--	19	--	--	--	0	--	0	19
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	35	2	--	--	9	--	0	28
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	4	0	--	--	0	--	0	4
Total	1,009	14	657	383	-726	19	19	626	17	693

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	30,678	--	--	34,635	3,120	4,692	-2,442	75,567	0	0	52,627
Natural Gas Plant Liquids and Liquefied Refinery Gases	2,164	-13	2,588	831	800	--	414	2,610	1,654	1,692	2,793
Pentanes Plus	1,052	-13	--	--	--	--	-2	941	17	83	45
Liquefied Petroleum Gases	1,112	--	2,588	831	800	--	416	1,669	1,637	1,609	2,748
Ethane/Ethylene	2	--	--	--	--	--	--	--	0	2	--
Propane/Propylene	323	--	1,404	679	412	--	175	--	965	1,678	659
Normal Butane/Butylene	319	--	1,086	148	279	--	215	733	672	212	1,619
Isobutane/Isobutylene	468	--	98	4	109	--	26	936	--	-283	470
Other Liquids	--	818	--	4,795	9,365	-1,195	2,413	11,206	433	-269	52,823
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	818	--	636	4,424	748	-68	6,653	40	0	3,818
Hydrogen	--	--	--	--	--	1,202	--	1,202	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	--	--	1	0	--
Renewable Fuels (including Fuel Ethanol)	--	818	--	636	4,424	-456	-68	5,451	39	0	3,818
Fuel Ethanol	--	573	--	197	4,182	-173	-41	4,802	18	0	2,373
Renewable Fuels Except Fuel Ethanol	--	245	--	439	241	-282	-27	649	20	0	1,445
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	2,540	--	--	1,852	797	160	-269	20,714
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,619	4,941	-1,943	629	3,756	232	0	28,291
Reformulated	--	--	--	--	2,319	251	299	2,271	0	0	14,011
Conventional	--	--	--	1,619	2,622	-2,194	330	1,485	232	0	14,280
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	92,677	4,898	1,255	2,365	1,374	--	7,613	92,209	34,993
Finished Motor Gasoline	--	--	48,694	18	285	2,116	-77	--	1,389	49,801	1,947
Reformulated	--	--	34,201	--	--	9	5	--	--	34,205	17
Conventional	--	--	14,493	18	285	2,107	-82	--	1,389	15,596	1,930
Finished Aviation Gasoline	--	--	-3	--	--	--	-31	--	--	28	184
Kerosene-Type Jet Fuel	--	--	13,523	3,223	323	--	560	--	734	15,775	9,969
Kerosene	--	--	7	--	--	--	-2	--	4	5	12
Distillate Fuel Oil	--	--	16,876	1	768	249	-15	--	1,911	15,998	13,090
15 ppm sulfur and under	--	--	15,843	--	768	249	-379	--	1,341	15,899	11,792
Greater than 15 ppm to 500 ppm sulfur	--	--	661	--	--	--	194	--	196	271	404
Greater than 500 ppm sulfur	--	--	372	1	--	--	170	--	374	-171	894
Residual Fuel Oil ⁶	--	--	2,955	1,490	--	--	454	--	328	3,663	4,956
Less than 0.31 percent sulfur	--	--	14	--	--	--	-115	--	NA	NA	231
0.31 to 1.00 percent sulfur	--	--	541	--	--	--	83	--	NA	NA	619
Greater than 1.00 percent sulfur	--	--	2,400	1,490	--	--	486	--	NA	NA	4,100
Petrochemical Feedstocks	--	--	2	36	--	--	1	--	--	37	2
Naphtha for Petro. Feed. Use	--	--	2	36	--	--	1	--	--	37	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	32	--	--	--	21	--	--	11	59
Lubricants	--	--	635	11	-121	--	187	--	201	137	958
Waxes	--	--	--	36	--	--	--	--	7	29	--
Petroleum Coke	--	--	5,043	15	--	--	194	--	3,005	1,859	1,361
Marketable	--	--	3,944	15	--	--	194	--	3,005	760	1,361
Catalyst	--	--	1,099	--	--	--	--	--	--	1,099	--
Asphalt and Road Oil	--	--	726	68	--	--	78	--	32	684	2,348
Still Gas	--	--	3,749	--	--	--	--	--	--	3,749	--
Miscellaneous Products	--	--	438	--	--	--	4	--	1	433	107
Total	32,842	805	95,265	45,159	14,540	5,862	1,759	89,383	9,699	93,632	143,236

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	122,280	--	--	134,414	17,020	10,255	922	282,623	425	0	52,627
Natural Gas Plant Liquids and Liquefied Refinery Gases	8,561	-50	6,034	4,463	3,704	--	-1,605	11,270	4,780	8,267	2,793
Pentanes Plus	4,170	-50	--	--	--	--	10	3,703	70	337	45
Liquefied Petroleum Gases	4,391	--	6,034	4,463	3,704	--	-1,615	7,567	4,710	7,930	2,748
Ethane/Ethylene	5	--	--	--	--	--	--	--	0	5	--
Propane/Propylene	1,288	--	5,515	3,637	1,366	--	-916	--	3,578	9,144	659
Normal Butane/Butylene	1,573	--	209	776	1,781	--	-697	4,508	1,132	-604	1,619
Isobutane/Isobutylene	1,525	--	310	50	557	--	-2	3,059	--	-615	470
Other Liquids	--	3,085	--	18,201	37,901	-3,463	3,084	49,774	2,682	184	52,823
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	3,085	--	1,735	18,566	2,624	-233	25,174	1,069	0	3,818
Hydrogen	--	--	--	--	--	4,184	--	4,184	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	6	--	--	6	0	--
Renewable Fuels (including Fuel Ethanol)	--	3,085	--	1,735	18,566	-1,566	-233	20,990	1,063	0	3,818
Fuel Ethanol	--	2,253	--	197	17,530	-460	-100	18,605	1,016	0	2,373
Renewable Fuels Except Fuel Ethanol	--	832	--	1,538	1,036	-1,106	-133	2,385	47	0	1,445
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	12,973	--	--	2,142	10,151	496	184	20,714
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	3,493	19,335	-6,087	1,175	14,449	1,117	0	28,291
Reformulated	--	--	--	--	9,069	172	-313	9,552	2	0	14,011
Conventional	--	--	--	3,493	10,266	-6,259	1,488	4,897	1,115	0	14,280
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	360,731	18,257	5,509	7,376	2,299	--	41,691	347,884	34,993
Finished Motor Gasoline	--	--	190,459	407	1,179	6,547	-212	--	6,716	192,088	1,947
Reformulated	--	--	133,141	--	--	-153	1	--	--	132,987	17
Conventional	--	--	57,318	407	1,179	6,700	-213	--	6,716	59,101	1,930
Finished Aviation Gasoline	--	--	-1	--	80	--	-9	--	--	88	184
Kerosene-Type Jet Fuel	--	--	52,387	11,132	1,080	--	766	--	3,390	60,443	9,969
Kerosene	--	--	66	--	--	--	-35	--	13	88	12
Distillate Fuel Oil	--	--	64,491	670	3,291	829	255	--	13,610	55,416	13,090
15 ppm sulfur and under	--	--	61,264	623	3,291	829	-58	--	8,687	57,379	11,792
Greater than 15 ppm to 500 ppm sulfur	--	--	1,462	--	--	--	137	--	976	349	404
Greater than 500 ppm sulfur	--	--	1,765	47	--	--	176	--	3,948	-2,312	894
Residual Fuel Oil ⁶	--	--	14,921	5,256	--	--	478	--	1,732	17,967	4,956
Less than 0.31 percent sulfur	--	--	24	--	--	--	97	--	NA	NA	231
0.31 to 1.00 percent sulfur	--	--	2,564	--	--	--	-230	--	NA	NA	619
Greater than 1.00 percent sulfur	--	--	12,333	5,256	--	--	611	--	NA	NA	4,100
Petrochemical Feedstocks	--	--	11	155	--	--	1	--	--	165	2
Naphtha for Petro. Feed. Use	--	--	11	155	--	--	1	--	--	165	2
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	129	--	--	--	30	--	--	99	59
Lubricants	--	--	2,115	56	-121	--	360	--	715	975	958
Waxes	--	--	--	118	--	--	--	--	25	93	--
Petroleum Coke	--	--	17,960	109	--	--	148	--	15,379	2,542	1,361
Marketable	--	--	13,953	109	--	--	148	--	15,379	-1,465	1,361
Catalyst	--	--	4,007	--	--	--	--	--	--	4,007	--
Asphalt and Road Oil	--	--	2,471	354	--	--	487	--	110	2,228	2,348
Still Gas	--	--	14,089	--	--	--	--	--	--	14,089	--
Miscellaneous Products	--	--	1,633	--	--	--	30	--	2	1,601	107
Total	130,841	3,035	366,765	175,335	64,135	14,169	4,700	343,667	49,578	356,334	143,236

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,023	--	--	1,155	104	156	-81	2,519	0	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	72	0	86	28	27	--	14	87	55	56
Pentanes Plus	35	0	--	--	--	--	0	31	1	3
Liquefied Petroleum Gases	37	--	86	28	27	--	14	56	55	54
Ethane/Ethylene	0	--	--	--	--	--	--	--	0	0
Propane/Propylene	11	--	47	23	14	--	6	--	32	56
Normal Butane/Butylene	11	--	36	5	9	--	7	24	22	7
Isobutane/Isobutylene	16	--	3	0	4	--	1	31	--	-9
Other Liquids	--	27	--	160	312	-40	80	374	14	-9
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	27	--	21	147	25	-2	222	1	0
Hydrogen	--	--	--	--	--	40	--	40	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	27	--	21	147	-15	-2	182	1	0
Fuel Ethanol	--	19	--	7	139	-6	-1	160	1	0
Renewable Fuels Except Fuel Ethanol	--	8	--	15	8	-9	-1	22	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	85	--	--	62	27	5	-9
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	54	165	-65	21	125	8	0
Reformulated	--	--	--	--	77	8	10	76	0	0
Conventional	--	--	--	54	87	-73	11	50	8	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,089	163	42	79	46	--	254	3,074
Finished Motor Gasoline	--	--	1,623	1	10	71	-3	--	46	1,660
Reformulated	--	--	1,140	--	--	0	0	--	--	1,140
Conventional	--	--	483	1	10	70	-3	--	46	520
Finished Aviation Gasoline	--	--	0	--	--	--	-1	--	--	1
Kerosene-Type Jet Fuel	--	--	451	107	11	--	19	--	24	526
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	563	0	26	8	-1	--	64	533
15 ppm sulfur and under	--	--	528	--	26	8	-13	--	45	530
Greater than 15 ppm to 500 ppm sulfur	--	--	22	--	--	--	6	--	7	9
Greater than 500 ppm sulfur	--	--	12	0	--	--	6	--	12	-6
Residual Fuel Oil ⁶	--	--	99	50	--	--	15	--	11	122
Less than 0.31 percent sulfur	--	--	0	--	--	--	-4	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	18	--	--	--	3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	80	50	--	--	16	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	1	--	--	0
Lubricants	--	--	21	0	-4	--	6	--	7	5
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	168	1	--	--	6	--	100	62
Marketable	--	--	131	1	--	--	6	--	100	25
Catalyst	--	--	37	--	--	--	--	--	--	37
Asphalt and Road Oil	--	--	24	2	--	--	3	--	1	23
Still Gas	--	--	125	--	--	--	--	--	--	125
Miscellaneous Products	--	--	15	--	--	--	0	--	0	14
Total	1,095	27	3,176	1,505	485	195	59	2,979	323	3,121

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³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

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⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-April 2017
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,019	--	--	1,120	142	85	8	2,355	4	0
Natural Gas Plant Liquids and Liquefied										
Refinery Gases	71	0	50	37	31	--	-13	94	40	69
Pentanes Plus	35	0	--	--	--	--	0	31	1	3
Liquefied Petroleum Gases	37	--	50	37	31	--	-13	63	39	66
Ethane/Ethylene	0	--	--	--	--	--	--	--	0	0
Propane/Propylene	11	--	46	30	11	--	-8	--	30	76
Normal Butane/Butylene	13	--	2	6	15	--	-6	38	9	-5
Isobutane/Isobutylene	13	--	3	0	5	--	0	25	--	-5
Other Liquids	--	26	--	152	316	-29	26	415	22	2
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons	--	26	--	14	155	22	-2	210	9	0
Hydrogen	--	--	--	--	--	35	--	35	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	26	--	14	155	-13	-2	175	9	0
Fuel Ethanol	--	19	--	2	146	-4	-1	155	8	0
Renewable Fuels Except Fuel Ethanol	--	7	--	13	9	-9	-1	20	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	108	--	--	18	85	4	2
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	29	161	-51	10	120	9	0
Reformulated	--	--	--	--	76	1	-3	80	0	0
Conventional	--	--	--	29	86	-52	12	41	9	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,006	152	46	61	19	--	347	2,899
Finished Motor Gasoline	--	--	1,587	3	10	55	-2	--	56	1,601
Reformulated	--	--	1,110	--	--	-1	0	--	--	1,108
Conventional	--	--	478	3	10	56	-2	--	56	493
Finished Aviation Gasoline	--	--	0	--	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	437	93	9	--	6	--	28	504
Kerosene	--	--	1	--	--	--	0	--	0	1
Distillate Fuel Oil	--	--	537	6	27	7	2	--	113	462
15 ppm sulfur and under	--	--	511	5	27	7	0	--	72	478
Greater than 15 ppm to 500 ppm sulfur	--	--	12	--	--	--	1	--	8	3
Greater than 500 ppm sulfur	--	--	15	0	--	--	1	--	33	-19
Residual Fuel Oil ⁶	--	--	124	44	--	--	4	--	14	150
Less than 0.31 percent sulfur	--	--	0	--	--	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	21	--	--	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	103	44	--	--	5	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	18	0	-1	--	3	--	6	8
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	150	1	--	--	1	--	128	21
Marketable	--	--	116	1	--	--	1	--	128	-12
Catalyst	--	--	33	--	--	--	--	--	--	33
Asphalt and Road Oil	--	--	21	3	--	--	4	--	1	19
Still Gas	--	--	117	--	--	--	--	--	--	117
Miscellaneous Products	--	--	14	--	--	--	0	--	0	13
Total	1,090	25	3,056	1,461	534	118	39	2,864	413	2,969

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, April 2017
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	1,378	50,106	170,336	19,985	30,678	272,482	9,083
Alaskan	--	--	--	--	--	15,760	525
Lower 48 States	--	--	--	--	--	256,723	8,557
Imports (PAD District of Entry)	25,576	76,852	96,732	10,127	34,635	243,922	8,131
Commercial	25,576	76,852	96,732	10,127	34,635	243,922	8,131
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	2,780	-2,676	8,572	-11,796	3,120	--	--
Adjustments ¹	1,302	-1,765	1,378	339	4,692	5,946	198
Disposition							
Stock Change ²	-1,464	2,499	-14,465	-901	-2,442	-16,773	-559
Commercial	--	--	-11,742	--	--	-14,050	-468
SPR	--	--	-2,723	--	--	-2,723	-91
Refinery Inputs	31,846	114,023	268,224	19,440	75,567	509,100	16,970
Exports	654	5,995	23,259	115	0	30,023	1,001
Ending Stocks							
Total	17,348	158,807	959,312	24,527	52,627	1,212,621	--
Commercial	17,348	158,807	270,525	24,527	52,627	523,834	--
Refinery	11,128	14,578	47,981	2,767	23,281	99,735	--
Tank Farms and Pipelines	6,220	144,229	222,544	21,760	24,062	418,815	--
Cushing, Oklahoma	--	66,920	--	--	--	66,920	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	5,284	5,284	--
SPR	--	--	688,787	--	--	688,787	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	56.8	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	33.9	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	165	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	25,576	76,852	96,732	10,127	34,635	243,922	8,131
PAD District of Processing	26,330	71,357	103,071	8,222	34,942	243,922	8,131

-- = Not Applicable.

-- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, April 2017
(Thousand Barrels)

PAD District and State	April 2017		January-April 2017	
	Total	Daily Average	Total	Daily Average
PAD District 1	1,378	46	5,339	44
Florida	169	6	649	5
New York	23	1	92	1
Pennsylvania	516	17	1,932	16
Virginia	0	0	2	0
West Virginia	670	22	2,664	22
PAD District 2	50,106	1,670	196,429	1,637
Illinois	681	23	2,753	23
Indiana	155	5	605	5
Kansas	2,957	99	11,778	98
Kentucky	197	7	723	6
Michigan	445	15	1,760	15
Missouri	9	0	38	0
Nebraska	191	6	753	6
North Dakota	31,132	1,038	121,406	1,012
Ohio	1,414	47	5,938	49
Oklahoma	12,789	426	50,147	418
South Dakota	114	4	445	4
Tennessee	20	1	83	1
PAD District 3	170,336	5,678	682,484	5,687
Alabama	561	19	2,340	19
Arkansas	422	14	1,686	14
Louisiana	4,264	142	17,024	142
Mississippi	1,519	51	6,048	50
New Mexico	13,450	448	52,297	436
Texas	100,352	3,345	395,217	3,293
Federal Offshore PAD District 3	49,767	1,659	207,872	1,732
PAD District 4	19,985	666	76,979	641
Colorado	9,448	315	35,919	299
Montana	1,720	57	6,963	58
Utah	2,657	89	10,312	86
Wyoming	6,159	205	23,785	198
PAD District 5	30,678	1,023	122,280	1,019
Alaska	15,760	525	62,427	520
South Alaska	351	12	1,583	13
North Slope	15,409	514	60,844	507
Arizona	2	0	5	0
California	14,436	481	57,900	483
Nevada	22	1	91	1
Federal Offshore PAD District 5	459	15	1,857	15
U.S. Total	272,482	9,083	1,083,511	9,029

– = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids	13	12,095	12,108	5,490	6,291	12,153	23,934
Pentanes Plus	—	1,127	1,127	422	836	1,486	2,744
Liquefied Petroleum Gases	13	10,968	10,981	5,068	5,455	10,667	21,190
Ethane	—	5,137	5,137	1,798	1,564	4,152	7,514
Propane	4	4,037	4,041	2,302	2,516	4,314	9,132
Normal Butane	9	1,197	1,206	455	1,098	1,311	2,864
Isobutane	—	597	597	513	277	890	1,680

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids	41,097	5,815	5,801	969	5,848	59,530	11,254	2,164	108,990
Pentanes Plus	4,455	480	649	241	672	6,497	1,670	1,052	13,090
Liquefied Petroleum Gases	36,642	5,335	5,152	728	5,176	53,033	9,584	1,112	95,900
Ethane	16,961	2,997	2,262	269	2,275	24,764	3,195	2	40,612
Propane	12,788	1,478	1,860	262	1,893	18,281	4,079	323	35,856
Normal Butane	4,265	-2,634	647	111	523	2,912	1,565	319	8,866
Isobutane	2,628	3,494	383	86	485	7,076	745	468	10,566

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids	5	266	271	818	140	195	1,153
Pentanes Plus	—	67	67	93	51	30	174
Liquefied Petroleum Gases	5	199	204	725	89	165	979
Ethane	—	—	—	85	6	49	140
Propane	3	138	141	425	58	50	533
Normal Butane	2	45	47	106	21	44	171
Isobutane	—	16	16	109	4	22	135

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids	122	2,663	290	27	—	3,102	149	199	4,874
Pentanes Plus	34	18	134	4	—	190	39	39	509
Liquefied Petroleum Gases	88	2,645	156	23	—	2,912	110	160	4,365
Ethane	1	674	—	—	—	675	—	—	815
Propane	67	1,001	32	18	—	1,118	68	38	1,898
Normal Butane	12	607	103	5	—	727	33	113	1,091
Isobutane	8	363	21	—	—	392	9	9	561

— = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	29,461	2,385	31,846	74,126	13,123	26,774	114,023
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	811	30	841	1,518	73	1,073	2,664
Pentanes Plus	—	—	—	354	9	397	760
Liquefied Petroleum Gases	811	30	841	1,164	64	676	1,904
Normal Butane	416	30	446	323	58	247	628
Isobutane	395	—	395	841	6	429	1,276
Other Liquids	77,760	6,338	84,098	11,913	4,501	1,594	18,008
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	9,761	797	10,558	5,760	1,471	1,771	9,002
Hydrogen	95	—	95	717	286	179	1,182
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	9,666	797	10,463	5,035	1,185	1,592	7,812
Fuel Ethanol	9,354	723	10,077	4,756	1,069	1,522	7,347
Renewable Diesel Fuel	312	74	386	279	116	70	465
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	8	—	—	8
Unfinished Oils (net)	2,257	-177	2,080	-169	84	80	-5
Naphthas and Lighter	837	-117	720	179	-133	206	252
Kerosene and Light Gas Oils	564	—	564	-269	127	163	21
Heavy Gas Oils	481	-48	433	126	90	-44	172
Residuum	375	-12	363	-205	—	-245	-450
Motor Gasoline Blend.Comp. (MGBC)(net)	65,742	5,718	71,460	6,322	2,946	-257	9,011
Reformulated - RBOB	17,128	20	17,148	-963	1,125	868	1,030
Conventional	48,614	5,698	54,312	7,285	1,821	-1,125	7,981
CBOB	39,886	5,706	45,592	7,058	1,582	-919	7,721
GTAB	3,064	—	3,064	—	—	—	—
Other	5,664	-8	5,656	227	239	-206	260
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	108,032	8,753	116,785	87,557	17,697	29,441	134,695

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	20,847	137,842	100,518	5,798	3,219	268,224	19,440	75,567	509,100
Natural Gas Plant Liquids and Liquefied Refinery Gases	434	3,709	3,345	52	128	7,668	532	2,610	14,315
Pentanes Plus	136	1,257	1,523	3	1	2,920	163	941	4,784
Liquefied Petroleum Gases	298	2,452	1,822	49	127	4,748	369	1,669	9,531
Normal Butane	94	954	314	23	9	1,394	134	733	3,335
Isobutane	204	1,498	1,508	26	118	3,354	235	936	6,196
Other Liquids	10,010	-39,811	-32,107	7,840	-71	-54,139	-271	11,206	58,902
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	2,107	3,281	2,049	1,187	220	8,844	1,122	6,653	36,179
Hydrogen	17	2,306	1,483	79	41	3,926	210	1,202	6,615
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	2,090	975	566	1,108	179	4,918	912	5,451	29,556
Fuel Ethanol	1,978	862	456	1,021	159	4,476	862	4,802	27,564
Renewable Diesel Fuel	112	112	110	87	20	441	50	644	1,986
Other Renewable Fuels	-	1	-	-	-	1	-	5	6
Other Hydrocarbons	-	-	-	-	-	-	-	-	8
Unfinished Oils (net)	213	-4,743	6,939	26	-52	2,383	-302	797	4,953
Naphthas and Lighter	59	-4,310	404	64	7	-3,776	-148	-619	-3,571
Kerosene and Light Gas Oils	128	-1,657	-1,558	-69	25	-3,131	-155	-570	-3,271
Heavy Gas Oils	100	1,072	7,464	64	-84	8,616	-20	2,027	11,228
Residuum	-74	152	629	-33	-	674	21	-41	567
Motor Gasoline Blend.Comp. (MGBC)(net)	7,680	-38,349	-41,102	6,627	-239	-65,383	-1,091	3,756	17,753
Reformulated - RBOB	5,327	-8,483	-6,991	-	-564	-10,711	-	2,271	9,738
Conventional	2,353	-29,866	-34,111	6,627	325	-54,672	-1,091	1,485	8,015
CBOB	2,521	-33,928	-32,330	6,650	337	-56,750	-1,092	1,064	-3,465
GTAB	-	-	-	-	-	-	-	-	3,064
Other	-168	4,062	-1,781	-23	-12	2,078	1	421	8,416
Aviation Gasoline Blend. Comp. (net)	10	-	7	-	-	17	-	-	17
Total Input	31,291	101,740	71,756	13,690	3,276	221,753	19,701	89,383	582,317

- = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases	1,397	78	1,475	4,322	524	647	5,493
Ethane/Ethylene	16	—	16	—	—	—	—
Ethane	—	—	—	—	—	—	—
Ethylene	16	—	16	—	—	—	—
Propane/Propylene	999	27	1,026	2,567	383	654	3,604
Propane	573	27	600	1,578	202	419	2,199
Propylene	426	—	426	989	181	235	1,405
Normal Butane/Butylene	341	66	407	1,660	178	83	1,921
Normal Butane	359	66	425	1,531	178	83	1,792
Butylene	-18	—	-18	129	—	—	129
Isobutane/Isobutylene	41	-15	26	95	-37	-90	-32
Isobutane	-17	-15	-32	95	-37	-90	-32
Isobutylene	58	—	58	—	—	—	—
Finished Motor Gasoline	90,398	7,340	97,738	50,474	10,397	15,842	76,713
Reformulated	38,381	20	38,401	8,414	1,452	1,018	10,884
Reformulated Blended with Fuel Ethanol	38,381	20	38,401	8,414	1,452	1,018	10,884
Reformulated Other	—	—	—	—	—	—	—
Conventional	52,017	7,320	59,337	42,060	8,945	14,824	65,829
Conventional Blended with Fuel Ethanol	54,393	7,303	61,696	38,824	9,182	13,976	61,982
Ed55 and Lower	54,358	7,303	61,661	38,817	9,161	13,928	61,906
Greater than Ed55	35	—	35	7	21	48	76
Conventional Other	-2,376	17	-2,359	3,236	-237	848	3,847
Finished Aviation Gasoline	—	—	—	—	37	—	37
Kerosene-Type Jet Fuel	2,767	—	2,767	5,706	789	951	7,446
Kerosene	47	—	47	29	—	10	39
Distillate Fuel Oil	9,732	640	10,372	19,324	4,120	10,328	33,772
15 ppm sulfur and under	8,276	577	8,853	19,354	4,201	10,352	33,907
Greater than 15 ppm to 500 ppm sulfur	51	49	100	-46	-28	93	19
Greater than 500 ppm sulfur	1,405	14	1,419	16	-53	-117	-154
Residual Fuel Oil	1,460	1	1,461	1,084	304	115	1,503
Less than 0.31 percent sulfur	465	—	465	16	118	—	134
0.31 to 1.00 percent sulfur	452	1	453	202	61	—	263
Greater than 1.00 percent sulfur	543	—	543	866	125	115	1,106
Petrochemical Feedstocks	129	—	129	1,029	1	20	1,050
Naphtha for Petro. Feed. Use	129	—	129	762	1	—	763
Other Oils for Petro. Feed. Use	—	—	—	267	—	20	287
Special Naphthas	—	13	13	38	—	7	45
Lubricants	233	23	256	—	—	215	215
Waxes	—	-15	-15	—	—	27	27
Petroleum Coke	1,027	19	1,046	3,931	807	917	5,655
Marketable	410	—	410	2,873	689	705	4,267
Catalyst	617	19	636	1,058	118	212	1,388
Asphalt and Road Oil	855	589	1,444	3,345	1,138	519	5,002
Still Gas	1,360	45	1,405	2,646	544	990	4,180
Miscellaneous Products	56	35	91	296	114	63	473
Total	109,461	8,768	118,229	92,224	18,775	30,651	141,650
Processing Gain(-) or Loss(+)¹	-1,429	-15	-1,444	-4,667	-1,078	-1,210	-6,955

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases	1,031	8,306	6,123	82	44	15,586	562	2,588	25,704
Ethane/Ethylene	2	134	21	—	—	157	—	—	173
Ethane	2	125	21	—	—	148	—	—	148
Ethylene	—	9	—	—	—	9	—	—	25
Propane/Propylene	757	5,713	5,147	52	34	11,703	291	1,404	18,028
Propane	341	2,299	2,048	13	34	4,735	273	1,118	8,925
Propylene	416	3,414	3,099	39	—	6,968	18	286	9,103
Normal Butane/Butylene	288	2,746	767	30	13	3,844	245	1,086	7,503
Normal Butane	297	2,740	987	30	13	4,067	204	1,074	7,562
Butylene	-9	6	-220	—	—	-223	41	12	-59
Isobutane/Isobutylene	-16	-287	188	—	-3	-118	26	98	0
Isobutane	-16	-269	188	—	-3	-100	26	98	-40
Isobutylene	—	-18	—	—	—	-18	—	—	40
Finished Motor Gasoline	20,697	21,813	10,580	9,560	1,674	64,324	9,427	48,694	296,896
Reformulated	7,362	6,708	—	—	—	14,070	—	34,201	97,556
Reformulated Blended with Fuel Ethanol	7,362	6,708	—	—	—	14,070	—	34,201	97,556
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	13,335	15,105	10,580	9,560	1,674	50,254	9,427	14,493	199,340
Conventional Blended with Fuel Ethanol	12,217	1,804	4,519	10,169	1,558	30,267	8,650	13,564	176,159
Ed55 and Lower	12,205	1,804	4,519	10,159	1,558	30,245	8,639	13,560	176,011
Greater than Ed55	12	—	—	10	—	22	11	4	148
Conventional Other	1,118	13,301	6,061	-609	116	19,987	777	929	23,181
Finished Aviation Gasoline	74	62	142	—	—	278	—	-3	312
Kerosene-Type Jet Fuel	1,432	13,598	12,031	99	—	27,160	1,122	13,523	52,018
Kerosene	4	1	50	2	—	57	—	7	150
Distillate Fuel Oil	6,487	42,308	31,434	2,134	1,281	83,644	6,402	16,876	151,066
15 ppm sulfur and under	6,466	40,296	26,023	2,017	1,281	76,083	6,313	15,843	140,999
Greater than 15 ppm to 500 ppm sulfur	-9	407	2,722	31	—	3,151	91	661	4,022
Greater than 500 ppm sulfur	30	1,605	2,689	86	—	4,410	-2	372	6,045
Residual Fuel Oil	318	1,269	4,331	-133	77	5,862	373	2,955	12,154
Less than 0.31 percent sulfur	234	-53	856	—	—	1,037	206	14	1,856
0.31 to 1.00 percent sulfur	—	237	171	-133	17	292	26	541	1,575
Greater than 1.00 percent sulfur	84	1,085	3,304	—	60	4,533	141	2,400	8,723
Petrochemical Feedstocks	148	6,004	2,594	14	—	8,760	—	2	9,941
Naphtha for Petro. Feed. Use	139	3,553	1,304	14	—	5,010	—	2	5,904
Other Oils for Petro. Feed. Use	9	2,451	1,290	—	—	3,750	—	—	4,037
Special Naphthas	101	659	—	259	—	1,019	—	32	1,109
Lubricants	34	1,836	519	861	—	3,250	—	635	4,356
Waxes	—	58	34	23	—	115	—	—	127
Petroleum Coke	412	8,872	5,736	129	37	15,186	779	5,043	27,709
Marketable	165	7,026	4,415	115	—	11,721	536	3,944	20,878
Catalyst	247	1,846	1,321	14	37	3,465	243	1,099	6,831
Asphalt and Road Oil	248	311	1,239	649	75	2,522	1,086	726	10,780
Still Gas	823	5,796	4,058	92	66	10,835	726	3,749	20,895
Miscellaneous Products	115	1,124	553	8	31	1,831	99	438	2,932
Total	31,924	112,017	79,424	13,779	3,285	240,429	20,576	95,265	616,149
Processing Gain(-) or Loss(+) ¹	-633	-10,277	-7,668	-89	-9	-18,676	-875	-5,882	-33,832

— = No Data Reported.

¹ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	29,461	2,385	31,846	74,126	13,123	26,774	114,023
Natural Gas Plant Liquids	404	—	404	1,238	6	783	2,027
Pentanes Plus	—	—	—	354	—	349	703
Liquefied Petroleum Gases	404	—	404	884	6	434	1,324
Normal Butane	9	—	9	43	—	5	48
Isobutane	395	—	395	841	6	429	1,276
Other Liquids	-11,879	19	-11,860	-32,267	-3,776	-11,725	-47,768
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	162	125	287	980	488	287	1,755
Hydrogen	95	—	95	717	286	179	1,182
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	67	125	192	255	202	108	565
Fuel Ethanol	67	101	168	154	167	103	424
Renewable Diesel Fuel	—	24	24	101	35	5	141
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	8	—	—	8
Unfinished Oils (net)	2,256	-177	2,079	-172	84	80	-8
Naphthas and Lighter	837	-117	720	179	-133	206	252
Kerosene and Light Gas Oils	564	—	564	-267	127	163	23
Heavy Gas Oils	480	-48	432	126	90	-44	172
Residuum	375	-12	363	-210	—	-245	-455
Motor Gasoline Blend.Comp. (MGBC)(net)	-14,297	71	-14,226	-33,075	-4,348	-12,092	-49,515
Reformulated - RBOB	-8,700	—	-8,700	-8,234	-187	-48	-8,469
Conventional	-5,597	71	-5,526	-24,841	-4,161	-12,044	-41,046
CBOB	-5,123	79	-5,044	-25,035	-4,356	-11,838	-41,229
GTAB	—	—	—	—	—	—	—
Other	-474	-8	-482	194	195	-206	183
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input to Refineries	17,986	2,404	20,390	43,097	9,353	15,832	68,282
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	983	80	1,063	2,470	439	894	3,803
Operable Capacity (daily average)	1,157	98	1,256	2,607	520	872	3,999
Operable Utilization Rate (percent) ²	84.9	81.7	84.7	94.8	84.5	102.5	95.1
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	176	12	189	461	50	169	680
Catalytic Cracking	355	16	371	743	113	220	1,076
Catalytic Hydrocracking	32	—	32	210	53	62	324
Delayed and Fluid Coking	54	—	54	321	66	83	469
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.80	1.83	0.88	1.62	2.39	0.89	1.54
API Gravity, Weighted Average (degrees)	35.59	31.59	35.26	32.27	25.98	37.14	32.63
Operable Capacity (daily average)	1,157	98	1,256	2,607	520	872	3,999
Operating	1,115	98	1,214	2,585	520	872	3,977
Idle	42	—	42	22	—	—	22
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	20,847	137,842	100,518	5,798	3,219	268,224	19,440	75,567	509,100
Natural Gas Plant Liquids	417	3,406	3,337	29	128	7,317	490	2,575	12,813
Pentanes Plus	128	1,150	1,523	3	1	2,805	143	941	4,592
Liquefied Petroleum Gases	289	2,256	1,814	26	127	4,512	347	1,634	8,221
Normal Butane	85	758	306	—	9	1,158	112	698	2,025
Isobutane	204	1,498	1,508	26	118	3,354	235	936	6,196
Other Liquids	-7,307	-51,469	-35,010	-1,327	-1,111	-96,224	-4,785	-34,494	-195,131
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	277	2,364	1,749	134	95	4,619	518	1,496	8,675
Hydrogen	17	2,306	1,483	79	41	3,926	210	1,202	6,615
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	260	58	266	55	54	693	308	294	2,052
Fuel Ethanol	211	48	168	27	54	508	270	92	1,462
Renewable Diesel Fuel	49	10	98	28	—	185	38	197	585
Other Renewable Fuels	—	—	—	—	—	—	—	5	5
Other Hydrocarbons	—	—	—	—	—	—	—	—	8
Unfinished Oils (net)	213	-4,743	6,905	26	-52	2,349	-302	797	4,915
Naphthas and Lighter	59	-4,310	404	64	7	-3,776	-148	-619	-3,571
Kerosene and Light Gas Oils	128	-1,657	-1,558	-69	25	-3,131	-155	-570	-3,269
Heavy Gas Oils	100	1,072	7,430	64	-84	8,582	-20	2,027	11,193
Residuum	-74	152	629	-33	—	674	21	-41	562
Motor Gasoline Blend.Comp. (MGBBC)(net)	-7,807	-49,090	-43,671	-1,487	-1,154	-103,209	-5,001	-36,787	-208,738
Reformulated - RBOB	-1,287	-12,699	-6,991	—	-564	-21,541	—	-27,934	-66,644
Conventional	-6,520	-36,391	-36,680	-1,487	-590	-81,668	-5,001	-8,853	-142,094
CBOB	-6,352	-32,325	-33,971	-1,427	-578	-74,653	-4,998	-9,254	-135,178
GTAB	—	—	—	—	—	—	—	—	—
Other	-168	-4,066	-2,709	-60	-12	-7,015	-3	401	-6,916
Aviation Gasoline Blend. Comp. (net)	10	—	7	—	—	17	—	—	17
Total Input to Refineries	13,957	89,779	68,845	4,500	2,236	179,317	15,145	43,648	326,782
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	689	4,634	3,472	176	107	9,078	643	2,678	17,265
Operable Capacity (daily average)	731	4,944	3,696	246	124	9,742	692	2,933	18,621
Operable Utilization Rate (percent) ²	94.2	93.7	93.9	71.3	86.9	93.2	92.9	91.3	92.7
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	155	621	595	32	23	1,426	96	411	2,802
Catalytic Cracking	178	1,224	1,110	17	27	2,556	172	761	4,936
Catalytic Hydrocracking	49	499	408	16	—	973	28	431	1,789
Delayed and Fluid Coking	26	819	501	29	—	1,376	74	479	2,452
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.56	1.76	1.36	1.21	0.67	1.49	1.45	1.38	1.45
API Gravity, Weighted Average (degrees)	39.91	30.87	30.90	33.23	40.20	31.76	33.81	28.71	31.76
Operable Capacity (daily average)	731	4,944	3,696	246	124	9,742	692	2,933	18,621
Operating	731	4,902	3,696	246	124	9,699	682	2,848	18,420
Idle	—	43	—	—	—	43	10	85	201
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	14,315	14,315

— = No Data Reported.

NA = Not Available.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases	1,397	78	1,475	4,322	524	647	5,493
Ethane/Ethylene	16	—	16	—	—	—	—
Ethane	—	—	—	—	—	—	—
Ethylene	16	—	16	—	—	—	—
Propane/Propylene	999	27	1,026	2,567	383	654	3,604
Propane	573	27	600	1,578	202	419	2,199
Propylene	426	—	426	989	181	235	1,405
Normal Butane/Butylene	341	66	407	1,660	178	83	1,921
Normal Butane	359	66	425	1,531	178	83	1,792
Butylene	-18	—	-18	129	—	—	129
Isobutane/Isobutylene	41	-15	26	95	-37	-90	-32
Isobutane	-17	-15	-32	95	-37	-90	-32
Isobutylene	58	—	58	—	—	—	—
Finished Motor Gasoline	669	1,044	1,713	6,197	2,135	2,298	10,630
Reformulated	669	—	669	—	—	—	—
Reformulated Blended with Fuel Ethanol	669	—	669	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	1,044	1,044	6,197	2,135	2,298	10,630
Conventional Blended with Fuel Ethanol	—	1,012	1,012	1,563	1,668	1,061	4,292
Ed55 and Lower	—	1,012	1,012	1,563	1,668	1,061	4,292
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	32	32	4,634	467	1,237	6,338
Finished Aviation Gasoline	—	—	—	—	37	—	37
Kerosene-Type Jet Fuel	2,767	—	2,767	5,706	789	951	7,446
Commercial	2,767	—	2,767	5,706	776	840	7,322
Military	—	—	—	—	13	111	124
Kerosene	47	—	47	29	—	10	39
Distillate Fuel Oil	9,408	590	9,998	19,151	4,038	10,263	33,452
15 ppm sulfur and under	8,092	527	8,619	19,181	4,119	10,287	33,587
Greater than 15 ppm to 500 ppm sulfur	-14	49	35	-46	-28	4	-70
Greater than 500 ppm sulfur	1,330	14	1,344	16	-53	-28	-65
Residual Fuel Oil	1,475	1	1,476	1,084	304	115	1,503
Less than 0.31 percent sulfur	480	—	480	16	118	—	134
0.31 to 1.00 percent sulfur	450	1	451	202	61	—	263
Greater than 1.00 percent sulfur	545	—	545	866	125	115	1,106
Petrochemical Feedstocks	129	—	129	1,029	1	20	1,050
Naphtha for Petro. Feed. Use	129	—	129	762	1	—	763
Other Oils for Petro. Feed. Use	—	—	—	267	—	20	287
Special Naphthas	—	13	13	38	—	7	45
Lubricants	233	23	256	—	—	215	215
Naphthenic	—	—	—	—	—	—	—
Paraffinic	233	23	256	—	—	215	215
Waxes	—	-15	-15	—	—	27	27
Petroleum Coke	1,027	19	1,046	3,931	807	917	5,655
Marketable	410	—	410	2,873	689	705	4,267
Catalyst	617	19	636	1,058	118	212	1,388
Asphalt and Road Oil	854	589	1,443	3,340	1,138	519	4,997
Still Gas	1,360	45	1,405	2,646	544	990	4,180
Miscellaneous Products	56	35	91	296	114	63	473
Fuel Use	—	—	—	—	—	—	—
Nonfuel Use	56	35	91	296	114	63	473
Total	19,422	2,422	21,844	47,769	10,431	17,042	75,242
Processing Gain(-) or Loss(+) ¹	-1,436	-18	-1,454	-4,672	-1,078	-1,210	-6,960

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases	1,031	8,306	6,123	82	44	15,586	562	2,588	25,704
Ethane/Ethylene	2	134	21	—	—	157	—	—	173
Ethane	2	125	21	—	—	148	—	—	148
Ethylene	—	9	—	—	—	9	—	—	25
Propane/Propylene	757	5,713	5,147	52	34	11,703	291	1,404	18,028
Propane	341	2,299	2,048	13	34	4,735	273	1,118	8,925
Propylene	416	3,414	3,099	39	—	6,968	18	286	9,103
Normal Butane/Butylene	288	2,746	767	30	13	3,844	245	1,086	7,503
Normal Butane	297	2,740	987	30	13	4,067	204	1,074	7,562
Butylene	-9	6	-220	—	—	-223	41	12	-59
Isobutane/Isobutylene	-16	-287	188	—	-3	-118	26	98	0
Isobutane	-16	-269	188	—	-3	-100	26	98	-40
Isobutylene	—	-18	—	—	—	-18	—	—	40
Finished Motor Gasoline	3,424	9,954	7,716	427	654	22,175	4,886	3,400	42,804
Reformulated	—	—	—	—	—	—	—	596	1,265
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	596	1,265
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	3,424	9,954	7,716	427	654	22,175	4,886	2,804	41,539
Conventional Blended with Fuel Ethanol	2,058	479	1,656	284	502	4,979	2,751	273	13,307
Ed55 and Lower	2,052	479	1,656	284	502	4,973	2,751	273	13,301
Greater than Ed55	6	—	—	—	—	6	—	—	6
Conventional Other	1,366	9,475	6,060	143	152	17,196	2,135	2,531	28,232
Finished Aviation Gasoline	74	62	142	—	—	278	—	-1	314
Kerosene-Type Jet Fuel	1,432	13,683	12,019	99	—	27,233	1,091	13,534	52,071
Commercial	1,233	12,750	11,867	77	—	25,927	996	13,021	50,033
Military	199	933	152	22	—	1,306	95	513	2,038
Kerosene	4	1	48	2	—	55	—	-2	139
Distillate Fuel Oil	6,426	42,121	31,435	2,076	1,262	83,320	6,421	16,441	149,632
15 ppm sulfur and under	6,405	40,246	26,024	1,959	1,262	75,896	6,332	15,418	139,852
Greater than 15 ppm to 500 ppm sulfur	-9	407	2,722	31	—	3,151	91	661	3,868
Greater than 500 ppm sulfur	30	1,468	2,689	86	—	4,273	-2	362	5,912
Residual Fuel Oil	318	1,269	4,276	-133	77	5,807	373	2,941	12,100
Less than 0.31 percent sulfur	234	23	856	—	—	1,113	206	—	1,933
0.31 to 1.00 percent sulfur	—	147	171	-133	17	202	26	541	1,483
Greater than 1.00 percent sulfur	84	1,099	3,249	—	60	4,492	141	2,400	8,684
Petrochemical Feedstocks	148	6,004	2,594	14	—	8,760	—	2	9,941
Naphtha for Petro. Feed. Use	139	3,553	1,304	14	—	5,010	—	2	5,904
Other Oils for Petro. Feed. Use	9	2,451	1,290	—	—	3,750	—	—	4,037
Special Naphthas	101	659	—	259	—	1,019	—	32	1,109
Lubricants	34	1,836	519	861	—	3,250	—	635	4,356
Naphthenic	34	59	—	631	—	724	—	114	838
Paraffinic	—	1,777	519	230	—	2,526	—	521	3,518
Waxes	—	58	34	23	—	115	—	—	127
Petroleum Coke	412	8,872	5,736	129	37	15,186	779	5,043	27,709
Marketable	165	7,026	4,415	115	—	11,721	536	3,944	20,878
Catalyst	247	1,846	1,321	14	37	3,465	243	1,099	6,831
Asphalt and Road Oil	248	311	1,260	649	75	2,543	1,086	726	10,795
Still Gas	823	5,796	4,058	92	66	10,835	726	3,749	20,895
Miscellaneous Products	115	1,124	553	8	31	1,831	99	438	2,932
Fuel Use	—	—	—	—	—	—	—	56	56
Nonfuel Use	115	1,124	553	8	31	1,831	99	382	2,876
Total	14,590	100,056	76,513	4,588	2,246	197,993	16,023	49,526	360,628
Processing Gain(-) or Loss(+) ¹	-633	-10,277	-7,668	-88	-10	-18,676	-878	-5,878	-33,846

— = No Data Reported.

¹ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, April 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	407	30	437	280	67	290	637
Pentanes Plus	—	—	—	—	9	48	57
Liquefied Petroleum Gases	407	30	437	280	58	242	580
Normal Butane	407	30	437	280	58	242	580
Isobutane	—	—	—	—	—	—	—
Other Liquids	89,639	6,319	95,958	44,180	8,277	13,319	65,776
Oxygenates/Renewables	9,599	672	10,271	4,780	983	1,484	7,247
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	9,599	672	10,271	4,780	983	1,484	7,247
Fuel Ethanol	9,287	622	9,909	4,602	902	1,419	6,923
Renewable Diesel Fuel	312	50	362	178	81	65	324
Other Renewable Fuels	—	—	—	—	—	—	—
Unfinished Oils (net)	1	—	1	3	—	—	3
Naphthas and Lighter	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	—	—	-2	—	—	-2
Heavy Gas Oils	1	—	1	—	—	—	—
Residium	—	—	—	5	—	—	5
Motor Gasoline Blend.Comp. (MGBC)(net)	80,039	5,647	85,686	39,397	7,294	11,835	58,526
Reformulated - RBOB	25,828	20	25,848	7,271	1,312	916	9,499
Conventional	54,211	5,627	59,838	32,126	5,982	10,919	49,027
CBOB	45,009	5,627	50,636	32,093	5,938	10,919	48,950
GTAB	3,064	—	3,064	—	—	—	—
Other	6,138	—	6,138	33	44	—	77
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	90,046	6,349	96,395	44,460	8,344	13,609	66,413

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Natural Gas Plant Liquids and Liquefied									
Refinery Gases	17	303	8	23	—	351	42	35	1,502
Pentanes Plus	8	107	—	—	—	115	20	—	192
Liquefied Petroleum Gases	9	196	8	23	—	236	22	35	1,310
Normal Butane	9	196	8	23	—	236	22	35	1,310
Isobutane	—	—	—	—	—	—	—	—	—
Other Liquids	17,317	11,658	2,903	9,167	1,040	42,085	4,514	45,700	254,033
Oxygenates/Renewables	1,830	917	300	1,053	125	4,225	604	5,157	27,504
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,830	917	300	1,053	125	4,225	604	5,157	27,504
Fuel Ethanol	1,767	814	288	994	105	3,968	592	4,710	26,102
Renewable Diesel Fuel	63	102	12	59	20	256	12	447	1,401
Other Renewable Fuels	—	1	—	—	—	1	—	—	1
Unfinished Oils (net)	—	—	34	—	—	34	—	—	38
Naphthas and Lighter	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils	—	—	—	—	—	—	—	—	-2
Heavy Gas Oils	—	—	34	—	—	34	—	—	35
Residium	—	—	—	—	—	—	—	—	5
Motor Gasoline Blend.Comp. (MGBC)(net)	15,487	10,741	2,569	8,114	915	37,826	3,910	40,543	226,491
Reformulated - RBOB	6,614	4,216	—	—	—	10,830	—	30,205	76,382
Conventional	8,873	6,525	2,569	8,114	915	26,996	3,910	10,338	150,109
CBOB	8,873	-1,603	1,641	8,077	915	17,903	3,906	10,318	131,713
GTAB	—	—	—	—	—	—	—	—	3,064
Other	—	8,128	928	37	—	9,093	4	20	15,332
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—	—	—
Total Input	17,334	11,961	2,911	9,190	1,040	42,436	4,556	45,735	255,535

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, April 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	89,729	6,296	96,025	44,277	8,262	13,544	66,083
Reformulated	37,712	20	37,732	8,414	1,452	1,018	10,884
Reformulated Blended with Fuel Ethanol	37,712	20	37,732	8,414	1,452	1,018	10,884
Reformulated Other	-	-	-	-	-	-	-
Conventional	52,017	6,276	58,293	35,863	6,810	12,526	55,199
Conventional Blended with Fuel Ethanol	54,393	6,291	60,684	37,261	7,514	12,915	57,690
Ed55 and Lower	54,358	6,291	60,649	37,254	7,493	12,867	57,614
Greater than Ed55	35	-	35	7	21	48	76
Conventional Other	-2,376	-15	-2,391	-1,398	-704	-389	-2,491
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	-	0	-	-	-	-
Kerosene	-	-	-	-	-	-	-
Distillate Fuel Oil	324	50	374	173	82	65	320
15 ppm sulfur and under	184	50	234	173	82	65	320
Greater than 15 ppm to 500 ppm sulfur	65	0	65	-	-	89	89
Greater than 500 ppm sulfur	75	-	75	-	-	-89	-89
Residual Fuel Oil	-15	-	-15	-	-	-	-
Less than 0.31 percent sulfur	-15	-	-15	-	-	-	-
0.31 to 1.00 percent sulfur	2	-	2	-	-	-	-
Greater than 1.00 percent sulfur	-2	-	-2	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	1	-	1	5	-	-	5
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	90,039	6,346	96,385	44,455	8,344	13,609	66,408
Processing Gain(-) or Loss(+) ¹	7	3	10	5	0	0	5

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	17,273	11,859	2,864	9,133	1,020	42,149	4,541	45,294	254,092
Reformulated	7,362	6,708	-	-	-	14,070	-	33,605	96,291
Reformulated Blended with Fuel Ethanol	7,362	6,708	-	-	-	14,070	-	33,605	96,291
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	9,911	5,151	2,864	9,133	1,020	28,079	4,541	11,689	157,801
Conventional Blended with Fuel Ethanol	10,159	1,325	2,863	9,885	1,056	25,288	5,899	13,291	162,852
Ed55 and Lower	10,153	1,325	2,863	9,875	1,056	25,272	5,888	13,287	162,710
Greater than Ed55	6	-	-	10	-	16	11	4	142
Conventional Other	-248	3,826	1	-752	-36	2,791	-1,358	-1,602	-5,051
Finished Aviation Gasoline	-	-	-	-	-	-	-	-2	-2
Kerosene-Type Jet Fuel	-	-85	12	-	-	-73	31	-11	-53
Kerosene	-	-	2	-	-	2	-	9	11
Distillate Fuel Oil	61	187	-1	58	19	324	-19	435	1,434
15 ppm sulfur and under	61	50	-1	58	19	187	-19	425	1,147
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	154
Greater than 500 ppm sulfur	-	137	-	-	-	137	-	10	133
Residual Fuel Oil	-	0	55	-	-	55	-	14	54
Less than 0.31 percent sulfur	-	-76	-	-	-	-76	-	14	-77
0.31 to 1.00 percent sulfur	-	90	-	-	-	90	-	-	92
Greater than 1.00 percent sulfur	-	-14	55	-	-	41	-	-	39
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	-21	-	-	-21	-	-	-15
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	17,334	11,961	2,911	9,191	1,039	42,436	4,553	45,739	255,521
Processing Gain(-) or Loss(+) ¹	0	0	0	-1	1	0	3	-4	14

- = No Data Reported.

¹ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	10,252	876	11,128	10,440	2,360	1,778	14,578
Petroleum Products	16,537	2,271	18,808	31,191	8,184	11,700	51,075
Pentanes Plus	—	—	—	57	—	392	449
Liquefied Petroleum Gases	711	24	735	2,931	408	568	3,907
Ethane/Ethylene	—	—	—	—	—	—	—
Propane/Propylene	174	3	177	951	85	262	1,298
Normal Butane/Butylene	389	9	398	1,709	276	135	2,120
Isobutane/Isobutylene	148	12	160	271	47	171	489
Oxygenates/Renewable Fuels/Other Hydrocarbons	98	86	184	89	48	25	162
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	98	86	184	43	48	25	116
Fuel Ethanol	98	82	180	30	37	20	87
Renewable Diesel Fuel	—	4	4	13	11	5	29
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	46	—	—	46
Unfinished Oils	5,302	469	5,771	8,612	561	4,119	13,292
Naphthas and Lighter	1,252	312	1,564	2,502	136	873	3,511
Kerosene and Light Gas Oils	567	—	567	1,793	228	695	2,716
Heavy Gas Oils	2,611	139	2,750	2,998	197	1,504	4,699
Residuum	872	18	890	1,319	—	1,047	2,366
Motor Gasoline Blending Components (MGBC)	5,261	272	5,533	8,505	2,197	3,766	14,468
Reformulated - RBOB	1,348	—	1,348	1,237	18	—	1,255
Conventional	3,913	272	4,185	7,268	2,179	3,766	13,213
CBOB	677	218	895	2,634	1,252	2,715	6,601
GTAB	—	—	—	—	—	—	—
Other	3,236	54	3,290	4,634	927	1,051	6,612
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	38	38	890	182	285	1,357
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	38	38	890	182	285	1,357
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	38	38	890	182	285	1,357
Finished Aviation Gasoline	—	—	—	—	88	—	88
Kerosene-Type Jet Fuel	664	—	664	1,459	346	219	2,024
Kerosene	141	2	143	101	—	18	119
Distillate Fuel Oil	2,375	258	2,633	4,043	1,508	1,565	7,116
15 ppm sulfur and under	1,600	85	1,685	3,861	1,368	1,448	6,677
Greater than 15 ppm to 500 ppm sulfur	34	157	191	—	70	50	120
Greater than 500 ppm sulfur	741	16	757	182	70	67	319
Residual Fuel Oil	580	24	604	865	211	56	1,132
Less than 0.31 percent sulfur	172	22	194	25	69	—	94
0.31 to 1.00 percent sulfur	51	2	53	123	15	—	138
Greater than 1.00 percent sulfur	357	—	357	717	127	56	900
Petrochemical Feedstocks	165	—	165	630	62	—	692
Naphtha for Petro. Feed. Use	165	—	165	480	62	—	542
Other Oils for Petro. Feed. Use	—	—	—	150	—	—	150
Special Naphthas	—	13	13	42	—	10	52
Lubricants	359	113	472	—	—	130	130
Waxes	—	380	380	—	—	39	39
Petroleum Coke	—	—	—	416	438	47	901
Marketable	—	—	—	416	438	47	901
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	869	570	1,439	2,465	2,110	453	5,028
Miscellaneous Products	12	22	34	86	25	8	119
Total Stocks, All Oils	26,789	3,147	29,936	41,631	10,544	13,478	65,653

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, April 2017
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	1,764	26,197	18,370	1,330	320	47,981	2,767	23,281	99,735
Petroleum Products	9,316	58,163	48,383	3,634	1,687	121,183	11,548	51,598	254,212
Pentanes Plus	62	78	349	—	6	495	23	—	967
Liquefied Petroleum Gases	1,407	1,990	4,458	10	35	7,900	397	1,438	14,377
Ethane/Ethylene	148	—	—	—	—	148	—	—	148
Propane/Propylene	456	441	504	2	2	1,405	57	130	3,067
Normal Butane/Butylene	602	1,360	2,634	5	20	4,621	247	847	8,233
Isobutane/Isobutylene	201	189	1,320	3	13	1,726	93	461	2,929
Oxygenates/Renewable Fuels/Other Hydrocarbons	42	66	181	67	11	367	86	391	1,190
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	42	66	181	67	11	367	86	391	1,144
Fuel Ethanol	34	45	75	21	10	185	74	33	559
Renewable Diesel Fuel	8	21	106	46	1	182	12	328	555
Other Renewable Fuels	—	—	—	—	—	—	—	30	30
Other Hydrocarbons	—	—	—	—	—	—	—	—	46
Unfinished Oils	2,584	21,761	15,874	978	812	42,009	3,171	19,904	84,147
Naphthas and Lighter	1,020	6,408	2,721	187	222	10,558	762	3,244	19,639
Kerosene and Light Gas Oils	566	4,031	2,720	295	252	7,864	567	3,757	15,471
Heavy Gas Oils	343	8,981	7,877	446	338	17,985	1,432	10,352	37,218
Residuum	655	2,341	2,556	50	—	5,602	410	2,551	11,819
Motor Gasoline Blending Components (MGBC)	2,261	12,163	11,842	250	297	26,813	3,429	14,086	64,329
Reformulated - RBOB	222	1,308	768	—	—	2,298	—	4,845	9,746
Conventional	2,039	10,855	11,074	250	297	24,515	3,429	9,241	54,583
CBOB	951	3,661	5,431	157	73	10,273	1,678	2,394	21,841
GTAB	—	—	—	—	—	—	—	—	—
Other	1,088	7,194	5,643	93	224	14,242	1,751	6,847	32,742
Aviation Gasoline Blending Components	13	—	—	—	—	13	—	—	13
Finished Motor Gasoline	484	1,833	1,143	29	66	3,555	768	690	6,408
Reformulated	—	—	—	—	—	—	—	17	17
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	17	17
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	484	1,833	1,143	29	66	3,555	768	673	6,391
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	57	—	57
Ed55 and Lower	—	—	—	—	—	—	57	—	57
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	484	1,833	1,143	29	66	3,555	711	673	6,334
Finished Aviation Gasoline	36	115	238	—	—	389	7	97	581
Kerosene-Type Jet Fuel	340	3,296	2,097	59	—	5,792	341	3,868	12,689
Kerosene	18	8	121	3	—	150	2	1	415
Distillate Fuel Oil	1,034	6,907	6,862	375	126	15,304	1,961	5,189	32,203
15 ppm sulfur and under	971	6,301	5,367	275	126	13,040	1,729	4,252	27,383
Greater than 15 ppm to 500 ppm sulfur	29	75	606	16	—	726	186	343	1,566
Greater than 500 ppm sulfur	34	531	889	84	—	1,538	46	594	3,254
Residual Fuel Oil	97	2,139	1,572	53	41	3,902	286	2,884	8,808
Less than 0.31 percent sulfur	3	—	173	—	—	176	45	—	509
0.31 to 1.00 percent sulfur	—	168	76	53	5	302	13	406	912
Greater than 1.00 percent sulfur	94	1,971	1,323	—	36	3,424	228	2,478	7,387
Petrochemical Feedstocks	193	1,529	527	15	—	2,264	—	2	3,123
Naphtha for Petro. Feed. Use	60	866	401	15	—	1,342	—	2	2,051
Other Oils for Petro. Feed. Use	133	663	126	—	—	922	—	—	1,072
Special Naphthas	94	617	—	86	—	797	—	59	921
Lubricants	43	1,989	1,193	615	—	3,840	—	699	5,141
Waxes	—	79	124	62	—	265	—	—	684
Petroleum Coke	13	3,124	1,072	—	—	4,209	137	1,361	6,608
Marketable	13	3,124	1,072	—	—	4,209	137	1,361	6,608
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	545	178	648	1,031	266	2,668	918	822	10,875
Miscellaneous Products	50	291	82	1	27	451	22	107	733
Total Stocks, All Oils	11,080	84,360	66,753	4,964	2,007	169,164	14,315	74,879	353,947

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, April 2017

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Liquefied Refinery Gases	4.4	3.5	4.3	5.8	3.9	2.4	4.8
Finished Motor Gasoline ¹	45.6	39.5	45.2	50.7	46.8	50.0	50.1
Finished Aviation Gasoline ²	—	—	—	—	0.3	—	0.0
Kerosene-Type Jet Fuel	8.7	—	8.1	7.6	5.9	3.5	6.5
Kerosene	0.2	—	0.1	0.0	—	0.0	0.0
Distillate Fuel Oil ³	29.6	25.6	29.3	25.5	29.7	38.0	28.9
Residual Fuel Oil	4.6	0.1	4.3	1.5	2.3	0.4	1.3
Naphtha for Petro. Feed. Use	0.4	—	0.4	1.0	0.0	—	0.7
Other Oils for Petro. Feed. Use	—	—	—	0.4	—	0.1	0.3
Special Naphthas	—	0.6	0.0	0.1	—	0.0	0.0
Lubricants	0.7	1.0	0.8	—	—	0.8	0.2
Waxes	—	-0.7	0.0	—	—	0.1	0.0
Petroleum Coke	3.2	0.9	3.1	5.3	6.0	3.4	4.9
Asphalt and Road Oil	2.7	26.7	4.2	4.5	8.4	1.9	4.3
Still Gas	4.3	2.0	4.1	3.5	4.0	3.7	3.6
Miscellaneous Products	0.2	1.6	0.3	0.4	0.8	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-4.5	-0.7	-4.2	-6.3	-8.0	-4.5	-6.0

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Liquefied Refinery Gases	4.9	6.1	5.6	1.4	1.4	5.7	2.9	3.3	4.9
Finished Motor Gasoline ¹	50.3	41.1	44.0	31.5	50.7	42.8	47.2	48.4	45.6
Finished Aviation Gasoline ²	0.3	0.1	0.1	—	—	0.1	—	0.0	0.1
Kerosene-Type Jet Fuel	6.8	10.1	11.0	1.7	—	9.9	5.6	17.5	10.0
Kerosene	0.0	0.0	0.0	0.0	—	0.0	—	0.0	0.0
Distillate Fuel Oil ³	30.3	31.1	28.8	34.7	39.3	30.3	33.0	20.9	28.6
Residual Fuel Oil	1.5	0.9	3.9	-2.3	2.4	2.1	1.9	3.8	2.3
Naphtha for Petro. Feed. Use	0.7	2.6	1.2	0.2	—	1.8	—	0.0	1.1
Other Oils for Petro. Feed. Use	0.0	1.8	1.2	—	—	1.4	—	—	0.8
Special Naphthas	0.5	0.5	—	4.4	—	0.4	—	0.0	0.2
Lubricants	0.2	1.4	0.5	14.6	—	1.2	—	0.8	0.8
Waxes	—	0.0	0.0	0.4	—	0.0	—	—	0.0
Petroleum Coke	2.0	6.6	5.3	2.2	1.2	5.5	4.0	6.5	5.3
Asphalt and Road Oil	1.2	0.2	1.2	11.0	2.3	0.9	5.6	0.9	2.1
Still Gas	3.9	4.3	3.7	1.6	2.1	4.0	3.8	4.8	4.0
Miscellaneous Products	0.6	0.8	0.5	0.0	1.0	0.7	0.5	0.6	0.6
Processing Gain(-) or Loss(+) ⁴	-3.0	-7.6	-7.0	-1.5	-0.3	-6.8	-4.5	-7.6	-6.5

— = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

⁴ Represents the arithmetic difference between refinery input and production divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, April 2017
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	—	—	1,074	1,074
Connecticut	—	—	—	—
Delaware	—	—	—	—
Florida	—	—	—	—
Georgia	—	—	—	—
Maine	—	—	—	—
Maryland	—	—	—	—
Massachusetts	—	—	—	—
New Hampshire	—	—	—	—
New Jersey	—	—	753	753
New York	—	—	—	—
North Carolina	—	—	—	—
Pennsylvania	—	—	210	210
Rhode Island	—	—	—	—
South Carolina	—	—	—	—
Vermont	—	—	1	1
Virginia	—	—	110	110
West Virginia	—	—	—	—
PAD District 2	—	24	—	24
Illinois	—	—	—	—
Indiana	—	—	—	—
Michigan	—	—	—	—
Minnesota	—	12	—	12
North Dakota	—	12	—	12
Ohio	—	—	—	—
Wisconsin	—	—	—	—
PAD District 3	456	298	1,038	1,792
Alabama	—	—	—	—
Louisiana	456	—	—	456
Mississippi	—	—	—	—
New Mexico	—	—	—	—
Texas	—	298	1,038	1,336
PAD District 4	—	—	—	—
Idaho	—	—	—	—
Montana	—	—	—	—
PAD District 5	—	—	1,490	1,490
Alaska	—	—	—	—
California	—	—	1,445	1,445
Hawaii	—	—	—	—
Oregon	—	—	—	—
Washington	—	—	45	45
U.S. Total	456	322	3,602	4,380

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, April 2017
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	26,330	71,357	103,071	8,222	34,942	243,922	8,131
Natural Gas Plant Liquids and Liquefied Refinery Gases	1,005	2,074	497	156	831	4,563	152
Pentanes Plus	—	7	396	—	—	403	13
Liquefied Petroleum Gases	1,005	2,067	101	156	831	4,160	139
Ethane	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propane	518	1,302	—	132	679	2,631	88
Propylene	431	285	—	—	—	716	24
Normal Butane	13	175	—	—	148	336	11
Butylene	—	50	101	—	—	151	5
Isobutane	43	255	—	24	4	326	11
Isobutylene	—	—	—	—	—	—	—
Other Liquids	21,205	79	13,635	27	4,795	39,741	1,325
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	575	44	330	5	636	1,590	53
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	321	—	—	321	11
Methyl Tertiary Butyl Ether (MTBE)	—	—	177	—	—	177	6
Other Oxygenates ³	—	—	144	—	—	144	5
Renewable Fuels (including Fuel Ethanol)	574	44	—	5	636	1,259	42
Fuel Ethanol	—	—	—	—	197	197	7
Biomass-Based Diesel Fuel	574	44	—	5	58	681	23
Other Renewable Diesel Fuel	—	—	—	—	381	381	13
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	1	—	9	—	—	10	0
Unfinished Oils ¹	1,088	—	11,722	—	2,540	15,350	512
Naphthas and Lighter	374	—	402	—	—	776	26
Kerosene and Lighter Gas Oils	—	—	366	—	—	366	12
Heavy Gas Oils	314	—	7,846	—	2,540	10,700	357
Residuum	400	—	3,108	—	—	3,508	117
Motor Gasoline Blend.Comp. (MGBC)	19,542	35	1,583	22	1,619	22,801	760
Reformulated - RBOB	6,955	—	—	—	—	6,955	232
Conventional	12,587	35	1,583	22	1,619	15,846	528
CBOB	935	—	—	—	322	1,257	42
GTAB	2,683	—	—	—	—	2,683	89
Other	8,969	35	1,583	22	1,297	11,906	397
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	9,527	725	3,759	179	4,898	19,088	636
Finished Motor Gasoline	1,244	—	—	—	18	1,262	42
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	1,244	—	—	—	18	1,262	42
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	1,244	—	—	—	18	1,262	42
Finished Aviation Gasoline	21	2	—	1	—	24	1
Kerosene-Type Jet Fuel	2,261	—	—	3	3,223	5,487	183
Bonded Aircraft Fuel	313	—	—	—	1,488	1,801	60
Other	1,948	—	—	3	1,735	3,686	123
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	3,350	5	—	109	1	3,465	116
15 ppm sulfur and under	2,000	5	—	109	—	2,114	70
Bonded	—	—	—	—	—	—	—
Other	2,000	5	—	109	—	2,114	70
Greater than 15 ppm to 500 ppm sulfur	39	—	—	—	—	39	1
Bonded	—	—	—	—	—	—	—
Other	39	—	—	—	—	39	1
Greater than 500 ppm to 2000 ppm sulfur	1,311	—	—	—	1	1,312	44
Bonded	—	—	—	—	—	—	—
Other	1,311	—	—	—	1	1,312	44
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	1,074	24	1,792	—	1,490	4,380	146
Less than 0.31 percent sulfur	—	—	456	—	—	456	15
0.31 to 1.00 percent sulfur	—	24	298	—	—	322	11
Greater than 1.00 percent sulfur	1,074	—	1,038	—	1,490	3,602	120
Petrochemical Feedstocks	3	123	1,228	—	36	1,390	46
Naphtha for Petro. Feed. Use	3	68	889	—	36	996	33
Other Oils for Petro. Feed. Use	—	55	339	—	—	394	13
Special Naphthas	—	42	129	—	—	171	6
Lubricants	210	230	594	—	11	1,045	35
Waxes	82	5	8	—	36	131	4
Petroleum Coke (Marketable)	4	37	8	—	15	64	2
Asphalt and Road Oil	1,278	257	—	65	68	1,668	56
Miscellaneous Products	—	—	—	1	—	1	0
Total	58,067	74,235	120,962	8,584	45,466	307,314	10,244

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-April 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	100,841	297,470	407,035	34,753	135,727	975,826	8,132
Natural Gas Plant Liquids and Liquefied Refinery Gases	7,306	11,489	1,676	1,553	4,463	26,487	221
Pentanes Plus	—	20	1,356	—	—	1,376	11
Liquefied Petroleum Gases	7,306	11,469	320	1,553	4,463	25,111	209
Ethane	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propane	5,350	8,445	14	1,443	3,637	18,889	157
Propylene	1,633	1,476	—	—	—	3,109	26
Normal Butane	47	512	—	46	776	1,381	12
Butylene	—	289	306	—	—	595	5
Isobutane	276	747	—	64	50	1,137	9
Isobutylene	—	—	—	—	—	—	—
Other Liquids	72,675	1,085	56,148	60	18,201	148,169	1,235
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	1,593	139	2,727	20	1,735	6,214	52
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	1,677	—	—	1,677	14
Methyl Tertiary Butyl Ether (MTBE)	—	—	1,227	—	—	1,227	10
Other Oxygenates ³	—	—	450	—	—	450	4
Renewable Fuels (including Fuel Ethanol)	1,591	108	992	20	1,735	4,446	37
Fuel Ethanol	—	—	771	—	197	968	8
Biomass-Based Diesel Fuel	1,591	108	221	20	181	2,121	18
Other Renewable Diesel Fuel	—	—	—	—	1,357	1,357	11
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	2	31	58	—	—	91	1
Unfinished Oils ¹	10,547	—	48,405	—	12,973	71,925	599
Naphthas and Lighter	1,820	—	766	—	241	2,827	24
Kerosene and Lighter Gas Oils	—	—	366	—	—	366	3
Heavy Gas Oils	5,077	—	35,493	—	11,232	51,802	432
Residuum	3,650	—	11,780	—	1,500	16,930	141
Motor Gasoline Blend.Comp. (MGBC)	60,535	946	5,016	40	3,493	70,030	584
Reformulated - RBOB	25,550	—	—	—	—	25,550	213
Conventional	34,985	946	5,016	40	3,493	44,480	371
CBOB	2,839	253	—	—	1,782	4,874	41
GTAB	8,483	—	142	—	—	8,625	72
Other	23,663	693	4,874	40	1,711	30,981	258
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	41,326	2,954	18,829	411	18,257	81,777	681
Finished Motor Gasoline	4,470	—	—	—	407	4,877	41
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	4,470	—	—	—	407	4,877	41
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	4,470	—	—	—	407	4,877	41
Finished Aviation Gasoline	24	3	—	1	—	28	0
Kerosene-Type Jet Fuel	6,631	5	—	18	11,132	17,786	148
Bonded Aircraft Fuel	1,011	—	—	—	3,843	4,854	40
Other	5,620	5	—	18	7,289	12,932	108
Kerosene	168	—	—	—	—	168	1
Distillate Fuel Oil	17,079	124	710	134	670	18,717	156
15 ppm sulfur and under	11,702	113	—	134	623	12,572	105
Bonded	—	—	—	—	—	—	—
Other	11,702	113	—	134	623	12,572	105
Greater than 15 ppm to 500 ppm sulfur	163	—	—	—	—	163	1
Bonded	—	—	—	—	—	—	—
Other	163	—	—	—	—	163	1
Greater than 500 ppm to 2000 ppm sulfur	5,214	—	220	—	47	5,481	46
Bonded	—	—	—	—	—	—	—
Other	5,214	—	220	—	47	5,481	46
Greater than 2000 ppm	—	11	490	—	—	501	4
Bonded	—	—	—	—	—	—	—
Other	—	11	490	—	—	501	4
Residual Fuel Oil	8,839	285	8,626	—	5,256	23,006	192
Less than 0.31 percent sulfur	347	—	1,031	—	—	1,378	11
0.31 to 1.00 percent sulfur	580	75	583	—	—	1,238	10
Greater than 1.00 percent sulfur	7,912	210	7,012	—	5,256	20,390	170
Petrochemical Feedstocks	3	560	4,360	—	155	5,078	42
Naphtha for Petro. Feed. Use	3	304	3,452	—	155	3,914	33
Other Oils for Petro. Feed. Use	—	256	908	—	—	1,164	10
Special Naphthas	—	164	1,415	—	—	1,579	13
Lubricants	799	817	3,039	—	56	4,711	39
Waxes	257	16	133	—	118	524	4
Petroleum Coke (Marketable)	203	106	546	—	109	964	8
Asphalt and Road Oil	2,853	874	—	254	354	4,335	36
Miscellaneous Products	—	—	—	4	—	4	0
Total	222,148	312,998	483,688	36,777	176,648	1,232,259	10,269

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	105,275	—	—	4,643	—	—	—	—	1,273	1,273
Algeria	1,444	—	—	3,143	—	—	—	—	—	—
Angola	2,529	—	—	—	—	—	—	—	—	—
Ecuador	5,396	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	23,705	—	—	607	—	—	—	—	—	—
Kuwait	3,030	—	—	—	—	—	—	—	—	—
Libya	1,045	—	—	302	—	—	—	—	—	—
Nigeria	9,160	—	—	—	—	—	—	—	786	786
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	34,612	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	591	—	—	—	—	—	—
Venezuela	24,354	—	—	—	—	—	—	—	487	487
Non-OPEC	138,647	403	4,160	10,707	—	1,262	1,262	6,955	14,573	21,528
Argentina	—	—	—	—	—	—	—	—	284	284
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1,278	—	6	6	—	579	579
Brazil	4,377	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	100,562	7	4,004	11	—	496	496	3,190	1,615	4,805
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	12,042	—	—	104	—	—	—	—	153	153
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	1	—	9	9	10	9	19
Egypt	487	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	1,071	1,071
France	—	—	—	78	—	—	—	298	230	528
Germany	—	—	—	73	—	7	7	50	9	59
Guatemala	264	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	529	1,037	1,566
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	327	327	85	380	465
Korea, South	—	—	—	—	—	—	—	—	1,258	1,258
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	18,152	—	36	—	—	—	—	—	79	79
Netherlands	—	—	—	234	—	144	144	660	682	1,342
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	—	396	—	1,000	—	236	236	308	317	625
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	7	7	223	619	842
Russia	910	—	—	6,514	—	—	—	16	1,783	1,799
Spain	—	—	—	270	—	—	—	—	1,937	1,937
Sweden	—	—	—	—	—	—	—	128	277	405
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	55	349	—	—	—	—	387	387
United Kingdom	510	—	—	386	—	30	30	1,458	1,211	2,669
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	1,343	0	65	409	—	0	0	0	656	656
Total	243,922	403	4,160	15,350	—	1,262	1,262	6,955	15,846	22,801
Persian Gulf³	61,347	—	—	1,198	—	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	177	144	197	681	381	—	2,114	39	1,312	—	3,465
Argentina	—	—	—	543	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	80	—	—	—	—	—	—	—	—	—	—
Brazil	—	144	197	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	138	—	—	2,114	39	992	—	3,145
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	22	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	75	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	320	—	320
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	381	—	0	0	0	—	0
Total	177	144	197	681	381	—	2,114	39	1,312	—	3,465
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	601	—	—	—	131	131
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	3	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	598	—	—	—	131	131
Non-OPEC	—	24	—	4,886	171	456	322	3,471	4,249
Argentina	—	—	—	—	—	456	—	—	456
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	43	—	—	—	351	351
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	9	—	—	298	—	298
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	4	—	750	130	—	24	556	580
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	114	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	3,655	41	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	1,838	1,838
Netherlands	—	20	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	432	432
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	315	0	0	0	294	294
Total	—	24	—	5,487	171	456	322	3,602	4,380
Persian Gulf³	—	—	—	3	—	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	128	48	—	6,824	112,099	3,509	227	3,737
Algeria	—	—	—	—	—	—	—	3,143	4,587	48	105	153
Angola	—	—	—	—	—	—	—	—	2,529	84	—	84
Ecuador	—	—	—	—	—	—	—	—	5,396	180	—	180
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	610	24,315	790	20	811
Kuwait	—	—	—	—	—	—	—	—	3,030	101	—	101
Libya	—	—	—	—	—	—	—	302	1,347	35	10	45
Nigeria	—	—	—	—	—	—	—	786	9,946	305	26	332
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	34,612	1,154	—	1,154
United Arab Emirates	—	—	—	—	—	48	—	639	639	—	21	21
Venezuela	—	—	—	—	128	—	—	1,344	25,698	812	45	857
Non-OPEC	996	394	131	64	1,540	997	1	56,568	195,215	4,622	1,886	6,507
Argentina	—	—	—	—	—	4	—	1,287	1,287	—	43	43
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	394	394	—	13	13
Bahrain	—	—	—	—	—	218	—	218	218	—	7	7
Belgium	—	—	—	—	—	8	—	1,951	1,951	—	65	65
Brazil	—	—	21	—	—	—	—	669	5,046	146	22	168
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	68	55	46	52	1,417	347	1	16,056	116,618	3,352	535	3,887
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	17	—	—	—	—	17	17	—	1	1
Colombia	201	—	—	—	—	—	—	458	12,500	401	15	417
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	29	29	—	1	1
Egypt	—	—	—	—	—	—	—	—	487	16	—	16
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	4	—	1,075	1,075	—	36	36
France	—	19	—	—	—	37	—	662	662	—	22	22
Germany	—	—	16	—	1	8	—	186	186	—	6	6
Guatemala	—	—	—	—	—	—	—	—	264	9	—	9
India	—	—	—	—	—	—	—	1,680	1,680	—	56	56
Indonesia	—	—	—	—	—	62	—	62	62	—	2	2
Italy	—	—	—	—	—	31	—	824	824	—	27	27
Korea, South	36	—	—	—	—	231	—	5,221	5,221	—	174	174
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	8	—	—	—	—	8	8	—	0	0
Mexico	287	—	—	—	—	—	—	2,240	20,392	605	75	680
Netherlands	36	—	—	—	—	—	—	1,859	1,859	—	62	62
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	320	—	—	—	—	—	2,577	2,577	—	86	86
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	849	849	—	28	28
Russia	—	—	—	—	—	7	—	8,321	9,231	30	277	308
Spain	—	—	2	—	122	—	—	2,331	2,331	—	78	78
Sweden	—	—	—	1	—	5	—	411	411	—	14	14
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,543	1,543	—	51	51
United Kingdom	49	—	—	8	—	34	—	3,176	3,686	17	106	123
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	319	0	21	3	0	1	0	2,464	3,807	46	84	127
Total	996	394	131	64	1,668	1,045	1	63,392	307,314	8,131	2,113	10,244
Persian Gulf³	—	—	—	—	—	266	—	1,467	62,814	2,045	49	2,094

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	409,232	—	—	18,574	—	—	—	—	4,027	4,027
Algeria	8,815	—	—	15,177	—	—	—	—	—	—
Angola	7,879	—	—	740	—	—	—	—	287	287
Ecuador	25,652	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	71,389	—	—	607	—	—	—	—	—	—
Kuwait	20,100	—	—	—	—	—	—	—	—	—
Libya	2,741	—	—	1,120	—	—	—	—	—	—
Nigeria	35,132	—	—	150	—	—	—	—	1,789	1,789
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	150,090	—	—	—	—	—	—	—	—	—
United Arab Emirates	526	—	—	591	—	—	—	—	—	—
Venezuela	86,908	—	—	189	—	—	—	—	1,951	1,951
Non-OPEC	566,594	1,376	25,111	53,351	—	4,877	4,877	25,550	40,453	66,003
Argentina	—	—	—	—	—	—	—	—	426	426
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	4,563	—	626	626	—	1,781	1,781
Brazil	23,953	—	—	245	—	—	—	—	14	14
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	219	—	—	—	—	—	—
Canada	416,711	20	24,023	1,639	—	1,840	1,840	12,584	8,485	21,069
Chad	1,853	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	41,919	—	—	104	—	—	—	—	1,039	1,039
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	46	—	9	9	10	54	64
Egypt	487	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	56	—	—	—	—	1,222	1,222
France	—	—	—	347	—	—	—	2,663	394	3,057
Germany	—	—	—	239	—	114	114	50	41	91
Guatemala	1,073	—	—	—	—	—	—	—	—	—
India	—	—	—	1,864	—	8	8	529	3,069	3,598
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	142	—	327	327	85	1,013	1,098
Korea, South	—	—	—	—	—	—	—	—	1,323	1,323
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	810	810
Malaysia	—	—	—	—	—	—	—	—	100	100
Mexico	69,350	300	105	—	—	—	—	—	381	381
Netherlands	—	—	—	2,506	—	174	174	1,374	2,568	3,942
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	2,049	396	—	2,236	—	236	236	975	1,518	2,493
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	290	290	223	1,500	1,723
Russia	2,314	—	—	31,852	—	36	36	195	4,710	4,905
Spain	—	—	—	534	—	114	114	86	4,469	4,555
Sweden	—	—	511	297	—	167	167	128	862	990
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	362	—	271	699	—	2	2	—	387	387
United Kingdom	2,831	—	—	626	—	934	934	6,648	2,801	9,449
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	159	—	—	—	—	—	—	—	—	—
Other	3,533	660	201	5,137	—	0	0	0	1,486	1,486
Total	975,826	1,376	25,111	71,925	—	4,877	4,877	25,550	44,480	70,030
Persian Gulf³	242,105	—	—	1,198	—	—	—	—	—	—

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	69	—	69
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	69	—	69
Non-OPEC	1,227	450	968	2,121	1,357	—	12,572	163	5,412	501	18,648
Argentina	127	—	—	1,670	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	197	—	—	—	—	—	—	—	—	—	—
Brazil	41	450	968	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	451	—	—	10,131	163	4,671	11	14,976
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	4	—	—	—	4
Colombia	—	—	—	—	—	—	183	—	70	—	253
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	115	115
Germany	135	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	2,254	—	—	—	2,254
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	100	—	100
Netherlands	727	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	220	375	595
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	351	—	351
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	1,357	—	0	0	0	0	0
Total	1,227	450	968	2,121	1,357	—	12,572	163	5,481	501	18,717
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	1,565	37	922	—	1,921	2,843
Algeria	—	—	—	—	—	347	—	—	347
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	13	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	8	37	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	1,544	—	575	—	1,921	2,496
Non-OPEC	168	28	—	16,221	1,542	456	1,238	18,469	20,163
Argentina	—	—	—	—	—	456	—	—	456
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	43	—	—	—	351	351
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	105	105
Brazil	—	—	—	13	20	—	298	—	298
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	8	—	1,879	512	—	151	3,452	3,603
Chad	—	—	—	—	—	—	—	—	—
China	168	—	—	1,371	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	1,167	1,167
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	41	—	—	—	—
Germany	—	—	—	—	36	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	787	—	—	—	1	1
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	346	346
Korea, South	—	—	—	10,525	247	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	300	—	—	7,845	7,845
Netherlands	—	20	—	—	14	—	—	370	370
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	14	—	—	—	—
Russia	—	—	—	32	—	—	49	870	919
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	270	270
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,717	1,717
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	1,571	358	0	740	1,975	2,715
Total	168	28	—	17,786	1,579	1,378	1,238	20,390	23,006
Persian Gulf³	—	—	—	21	37	—	—	—	—

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	192	282	684	—	28,273	437,505	3,410	236	3,646
Algeria	—	—	—	—	—	—	—	15,524	24,339	73	129	203
Angola	—	—	—	—	—	—	—	1,027	8,906	66	9	74
Ecuador	—	—	—	—	—	—	—	—	25,652	214	—	214
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	620	72,009	595	5	600
Kuwait	—	—	—	—	—	—	—	—	20,100	168	—	168
Libya	—	—	—	—	—	—	—	1,120	3,861	23	9	32
Nigeria	—	—	—	—	—	—	—	1,939	37,071	293	16	309
Qatar	—	—	—	—	—	541	—	541	541	—	5	5
Saudi Arabia	—	—	—	—	—	—	—	45	150,135	1,251	0	1,251
United Arab Emirates	—	—	—	—	—	143	—	734	1,260	4	6	11
Venezuela	—	—	—	192	282	—	—	6,723	93,631	724	56	780
Non-OPEC	3,914	1,164	524	772	4,053	4,027	4	228,160	794,754	4,722	1,901	6,623
Argentina	—	180	—	383	—	7	—	3,249	3,249	—	27	27
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	394	394	—	3	3
Bahrain	—	—	—	—	—	373	—	373	373	—	3	3
Belgium	—	—	—	—	—	27	—	7,299	7,299	—	61	61
Brazil	—	—	21	—	—	—	—	2,070	26,023	200	17	217
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	219	219	—	2	2
Canada	304	256	213	214	3,438	1,296	4	75,776	492,487	3,473	631	4,104
Chad	—	—	—	—	—	—	—	—	1,853	15	—	15
China	—	—	159	—	—	—	—	1,702	1,702	—	14	14
Colombia	420	—	—	—	—	—	—	2,983	44,902	349	25	374
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	119	119	—	1	1
Egypt	—	—	—	—	—	—	—	—	487	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	4	—	1,282	1,282	—	11	11
France	—	83	—	—	—	91	—	3,734	3,734	—	31	31
Germany	—	—	16	—	1	216	—	856	856	—	7	7
Guatemala	—	—	—	—	—	—	—	—	1,073	9	—	9
India	—	—	—	—	—	—	—	8,512	8,512	—	71	71
Indonesia	—	—	—	—	—	276	—	276	276	—	2	2
Italy	—	—	—	—	—	98	—	2,017	2,017	—	17	17
Korea, South	36	—	—	—	—	1,485	—	13,616	13,616	—	113	113
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	810	810	—	7	7
Malaysia	—	—	59	—	70	12	—	241	241	—	2	2
Mexico	1,169	—	—	—	—	—	—	10,200	79,550	578	85	663
Netherlands	151	—	1	—	—	—	—	7,942	7,942	—	66	66
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	645	—	—	—	—	—	6,006	8,055	17	50	67
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	2,027	2,027	—	17	17
Russia	—	—	—	—	—	25	—	38,366	40,680	19	320	339
Spain	—	—	4	—	544	—	—	5,751	5,751	—	48	48
Sweden	—	—	—	6	—	9	—	2,250	2,250	—	19	19
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	3,427	3,789	3	29	32
United Kingdom	376	—	—	163	—	70	—	11,618	14,449	24	97	120
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	159	1	—	1
Other	1,458	0	51	6	0	38	0	15,045	18,578	30	125	156
Total	3,914	1,164	524	964	4,335	4,711	4	256,433	1,232,259	8,132	2,137	10,269
Persian Gulf³	—	—	—	—	—	1,057	—	2,313	244,418	2,018	19	2,037

— = No Data Reported.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	19,352	—	—	400	—	—	—	—	1,273	1,273
Algeria	547	—	—	400	—	—	—	—	—	—
Angola	2,501	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	3,580	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	1,045	—	—	—	—	—	—	—	—	—
Nigeria	9,160	—	—	—	—	—	—	—	786	786
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	2,020	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	499	—	—	—	—	—	—	—	487	487
Non-OPEC	6,978	—	1,005	688	—	1,244	1,244	6,955	11,314	18,269
Argentina	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	6	6	—	404	404
Brazil	1,006	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	4,110	—	1,005	—	—	478	478	3,190	1,213	4,403
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	1,014	—	—	104	—	—	—	—	153	153
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	9	9	10	9	19
Egypt	487	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	1,071	1,071
France	—	—	—	—	—	—	—	298	155	453
Germany	—	—	—	—	—	7	7	50	9	59
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	529	1,037	1,566
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	327	327	85	98	183
Korea, South	—	—	—	—	—	—	—	—	485	485
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	144	144	660	617	1,277
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	236	236	308	295	603
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	7	7	223	619	842
Russia	—	—	—	314	—	—	—	16	1,783	1,799
Spain	—	—	—	270	—	—	—	—	1,668	1,668
Sweden	—	—	—	—	—	—	—	128	277	405
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	240	240
United Kingdom	—	—	—	—	—	30	30	1,458	713	2,171
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	361	—	0	0	—	0	0	0	468	468
Total	26,330	—	1,005	1,088	—	1,244	1,244	6,955	12,587	19,542
Persian Gulf³	5,600	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	574	-	-	2,000	39	1,311	-	3,350
Argentina	-	-	-	543	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	31	-	-	2,000	39	991	-	3,030
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	320	-	320
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	0	-	-	0	0	0	-	0
Total	-	-	-	574	-	-	2,000	39	1,311	-	3,350
Persian Gulf³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	598	—	—	—	131	131
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	598	—	—	—	131	131
Non-OPEC	—	21	—	1,663	—	—	—	943	943
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	43	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	9	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	750	—	—	—	511	511
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	114	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	747	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	20	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	432	432
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	—	—	—	0	0
Total	—	21	—	2,261	—	—	—	1,074	1,074
Persian Gulf³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	128	—	—	2,530	21,882	645	84	729
Algeria	—	—	—	—	—	—	—	400	947	18	13	32
Angola	—	—	—	—	—	—	—	—	2,501	83	—	83
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	3,580	119	—	119
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	1,045	35	—	35
Nigeria	—	—	—	—	—	—	—	786	9,946	305	26	332
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	2,020	67	—	67
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	128	—	—	1,344	1,843	17	45	61
Non-OPEC	3	—	82	4	1,150	210	—	29,207	36,185	233	974	1,206
Argentina	—	—	—	—	—	4	—	547	547	—	18	18
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	43	43	—	1	1
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	6	—	416	416	—	14	14
Brazil	—	—	21	—	—	—	—	30	1,036	34	1	35
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	41	1	1,027	106	—	11,384	15,494	137	379	516
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	1	—	—	—	—	1	1	—	0	0
Colombia	—	—	—	—	—	—	—	257	1,271	34	9	42
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	28	28	—	1	1
Egypt	—	—	—	—	—	—	—	—	487	16	—	16
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	1,071	1,071	—	36	36
France	—	—	—	—	—	6	—	459	459	—	15	15
Germany	—	—	16	—	1	5	—	88	88	—	3	3
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	1,680	1,680	—	56	56
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	2	—	512	512	—	17	17
Korea, South	—	—	—	—	—	76	—	1,308	1,308	—	44	44
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	1,441	1,441	—	48	48
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	839	839	—	28	28
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	849	849	—	28	28
Russia	—	—	—	—	—	—	—	2,114	2,114	—	70	70
Spain	—	—	2	—	122	—	—	2,062	2,062	—	69	69
Sweden	—	—	—	—	—	5	—	410	410	—	14	14
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	992	992	—	33	33
United Kingdom	3	—	—	—	—	—	—	2,204	2,204	—	73	73
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	1	3	0	0	—	472	833	12	17	29
Total	3	—	82	4	1,278	210	—	31,737	58,067	878	1,058	1,936
Persian Gulf³	—	—	—	—	—	—	—	—	5,600	187	—	187

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	1,264	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,264	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	70,093	7	2,067	-	-	-	-	-	35	35
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	69,595	7	2,067	-	-	-	-	-	35	35
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	498	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	71,357	7	2,067	-	-	-	-	-	35	35
Persian Gulf³	1,264	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	44	—	—	5	—	—	—	5
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	44	—	—	5	—	—	—	5
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	—	—	0	—	—	—	0
Total	—	—	—	44	—	—	5	—	—	—	5
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	2	—	—	42	—	24	—	24
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	2	—	—	42	—	24	—	24
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	—	0	—	0	—	0
Total	—	2	—	—	42	—	24	—	24
Persian Gulf³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	—	1,264	42	—	42
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	1,264	42	—	42
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	68	55	5	37	257	230	—	2,878	72,971	2,336	96	2,432
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	68	55	5	36	257	230	—	2,877	72,472	2,320	96	2,416
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	498	17	—	17
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	1	—	—	—	1	1	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	0	0	—	0	0	-1	0	-1
Total	68	55	5	37	257	230	—	2,878	74,235	2,379	96	2,475
Persian Gulf³	—	—	—	—	—	—	—	—	1,264	42	—	42

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	65,083	—	—	3,495	—	—	—	—	—	—
Algeria	897	—	—	1,995	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	18,066	—	—	607	—	—	—	—	—	—
Kuwait	856	—	—	—	—	—	—	—	—	—
Libya	—	—	—	302	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	21,409	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	591	—	—	—	—	—	—
Venezuela	23,855	—	—	—	—	—	—	—	—	—
Non-OPEC	37,988	396	101	8,227	—	—	—	—	1,583	1,583
Argentina	—	—	—	—	—	—	—	—	284	284
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	1,278	—	—	—	—	175	175
Brazil	2,441	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	12,205	—	—	—	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	5,864	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	1	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	78	—	—	—	—	75	75
Germany	—	—	—	73	—	—	—	—	—	—
Guatemala	264	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	282	282
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	16,161	—	36	—	—	—	—	—	79	79
Netherlands	—	—	—	234	—	—	—	—	65	65
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	—	396	—	1,000	—	—	—	—	22	22
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	4,972	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	269	269
Sweden	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	147	147
United Kingdom	510	—	—	386	—	—	—	—	185	185
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	543	0	65	205	—	—	—	—	0	0
Total	103,071	396	101	11,722	—	—	—	—	1,583	1,583
Persian Gulf³	40,331	—	—	1,198	—	—	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	177	144	—	—	—	—	—	—	—	—	—
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	80	—	—	—	—	—	—	—	—	—	—
Brazil	—	144	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	22	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	75	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	—	—	—	—	—	—	—	—	—
Total	177	144	—	—	—	—	—	—	—	—	—
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	—	129	456	298	1,038	1,792
Argentina	—	—	—	—	—	456	—	—	456
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	298	—	298
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	88	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	41	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	1,038	1,038
Netherlands	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	0	0	0	0	0
Total	—	—	—	—	129	456	298	1,038	1,792
Persian Gulf³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	48	—	3,543	68,626	2,169	118	2,288
Algeria	—	—	—	—	—	—	—	1,995	2,892	30	67	96
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	607	18,673	602	20	622
Kuwait	—	—	—	—	—	—	—	—	856	29	—	29
Libya	—	—	—	—	—	—	—	302	302	—	10	10
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	21,409	714	—	714
United Arab Emirates	—	—	—	—	—	48	—	639	639	—	21	21
Venezuela	—	—	—	—	—	—	—	—	23,855	795	—	795
Non-OPEC	889	339	8	8	—	546	—	14,348	52,336	1,266	478	1,745
Argentina	—	—	—	—	—	—	—	740	740	—	25	25
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	218	—	218	218	—	7	7
Belgium	—	—	—	—	—	2	—	1,535	1,535	—	51	51
Brazil	—	—	—	—	—	—	—	442	2,883	81	15	96
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	88	12,293	407	3	410
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	1	—	—	—	—	1	1	—	0	0
Colombia	201	—	—	—	—	—	—	201	6,065	195	7	202
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	1	1	—	0	0
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	4	—	4	4	—	0	0
France	—	19	—	—	—	31	—	203	203	—	7	7
Germany	—	—	—	—	—	3	—	98	98	—	3	3
Guatemala	—	—	—	—	—	—	—	—	264	9	—	9
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	62	—	62	62	—	2	2
Italy	—	—	—	—	—	29	—	312	312	—	10	10
Korea, South	—	—	—	—	—	155	—	196	196	—	7	7
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	7	—	—	—	—	7	7	—	0	0
Mexico	287	—	—	—	—	—	—	1,440	17,601	539	48	587
Netherlands	36	—	—	—	—	—	—	418	418	—	14	14
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	320	—	—	—	—	—	1,738	1,738	—	58	58
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	7	—	4,979	4,979	—	166	166
Spain	—	—	—	—	—	—	—	269	269	—	9	9
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	147	147	—	5	5
United Kingdom	46	—	—	8	—	34	—	659	1,169	17	22	39
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	319	0	0	0	—	1	—	590	1,133	18	19	38
Total	889	339	8	8	—	594	—	17,891	120,962	3,436	596	4,032
Persian Gulf³	—	—	—	—	—	266	—	1,464	41,795	1,344	49	1,393

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	8,222	-	156	-	-	-	-	-	22	22
Canada	8,222	-	156	-	-	-	-	-	22	22
Other	0	-	0	-	-	-	-	-	0	0
Total	8,222	-	156	-	-	-	-	-	22	22
	PAD District 5									
OPEC	19,576	-	-	748	-	-	-	-	-	-
Algeria	-	-	-	748	-	-	-	-	-	-
Angola	28	-	-	-	-	-	-	-	-	-
Ecuador	5,396	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	2,059	-	-	-	-	-	-	-	-	-
Kuwait	2,174	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	9,919	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	15,366	-	831	1,792	-	18	18	-	1,619	1,619
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	930	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	6,430	-	776	11	-	18	18	-	345	345
China	-	-	-	-	-	-	-	-	-	-
Colombia	5,164	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	773	773
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	1,493	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	204	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	188	188
United Kingdom	-	-	-	-	-	-	-	-	313	313
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	1,349	-	55	1,577	-	0	0	-	0	0
Total	34,942	-	831	2,540	-	18	18	-	1,619	1,619
Persian Gulf ³	14,152	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
PAD District 4											
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	5	—	—	109	—	—	—	109
Canada	—	—	—	5	—	—	109	—	—	—	109
Other	—	—	—	0	—	—	0	—	—	—	0
Total	—	—	—	5	—	—	109	—	—	—	109
PAD District 5											
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	197	58	381	—	—	—	1	—	1
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	197	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	58	—	—	—	—	1	—	1
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Japan	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	381	—	—	—	0	—	0
Total	—	—	197	58	381	—	—	—	1	—	1
Persian Gulf ³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	PAD District 4								
	—	—	—	3	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	3	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	1	—	—	—	—	—	—	—
Canada	—	1	—	—	—	—	—	—	—
Other	—	0	—	0	—	—	—	—	—
Total	—	1	—	3	—	—	—	—	—
OPEC	PAD District 5								
	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	3,223	—	—	—	1,490	1,490
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	45	45
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Japan	—	—	—	315	—	—	—	—	—
Korea, South	—	—	—	2,908	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	800	800
Netherlands	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	214	214
Singapore	—	—	—	—	—	—	—	80	80
Sweden	—	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	—	—	—	351	351
Total	—	—	—	3,223	—	—	—	1,490	1,490
Persian Gulf ³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Waxes	Petroleum Coke	Asphalt and Road Oil
	PAD District 4											
OPEC	—	—	—	—	—	—	—	3	3	—	0	0
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	3	3	—	0	0
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	—	65	—	1	359	8,581	274	12	286
Canada	—	—	—	—	65	—	1	359	8,581	274	12	286
Other	—	—	—	—	0	—	0	0	0	0	0	0
Total	—	—	—	—	65	—	1	362	8,584	274	12	286
	PAD District 5											
OPEC	—	—	—	—	—	—	—	748	20,324	653	25	677
Algeria	—	—	—	—	—	—	—	748	748	—	25	25
Angola	—	—	—	—	—	—	—	—	28	1	—	1
Ecuador	—	—	—	—	—	—	—	—	5,396	180	—	180
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	2,059	69	—	69
Kuwait	—	—	—	—	—	—	—	—	2,174	72	—	72
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	9,919	331	—	331
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	36	—	36	15	68	11	—	9,776	25,142	512	326	838
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	197	1,127	31	7	38
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	15	68	11	—	1,348	7,778	214	45	259
China	—	—	15	—	—	—	—	15	15	—	1	1
Colombia	—	—	—	—	—	—	—	—	5,164	172	—	172
Finland	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Japan	—	—	20	—	—	—	—	335	335	—	11	11
Korea, South	36	—	—	—	—	—	—	3,717	3,717	—	124	124
Malaysia	—	—	1	—	—	—	—	1	1	—	0	0
Mexico	—	—	—	—	—	—	—	800	2,293	50	27	76
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	418	418	—	14	14
Singapore	—	—	—	—	—	—	—	461	461	—	15	15
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—	—	188	188	—	6	6
United Kingdom	—	—	—	—	—	—	—	313	313	—	10	10
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	0	0	0	0	—	1,983	3,332	45	66	112
Total	36	—	36	15	68	11	—	10,524	45,466	1,165	351	1,516
Persian Gulf ³	—	—	—	—	—	—	—	—	14,152	472	—	472

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	62,528	—	—	3,834	—	—	—	—	3,798	3,798
Algeria	4,802	—	—	3,684	—	—	—	—	—	—
Angola	5,018	—	—	—	—	—	—	—	287	287
Ecuador	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	8,136	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	1,045	—	—	—	—	—	—	—	—	—
Nigeria	29,671	—	—	150	—	—	—	—	1,789	1,789
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	10,402	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	3,454	—	—	—	—	—	—	—	1,722	1,722
Non-OPEC	38,313	—	7,306	6,713	—	4,470	4,470	25,550	31,187	56,737
Argentina	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	714	—	626	626	—	949	949
Brazil	6,345	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	22,332	—	6,795	194	—	1,433	1,433	12,584	5,830	18,414
Chad	951	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	4,945	—	—	104	—	—	—	—	811	811
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	9	9	10	54	64
Egypt	487	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	1,222	1,222
France	—	—	—	—	—	—	—	2,663	319	2,982
Germany	—	—	—	20	—	114	114	50	41	91
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	8	8	529	3,069	3,598
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	327	327	85	731	816
Korea, South	—	—	—	—	—	—	—	—	485	485
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	495	495
Malaysia	—	—	—	—	—	—	—	—	100	100
Mexico	198	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	608	—	174	174	1,374	1,848	3,222
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	2,049	—	—	—	—	236	236	975	1,496	2,471
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	290	290	223	1,500	1,723
Russia	—	—	—	3,221	—	36	36	195	4,710	4,905
Spain	—	—	—	534	—	114	114	86	3,419	3,505
Sweden	—	—	511	223	—	167	167	128	862	990
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	2	2	—	240	240
United Kingdom	645	—	—	186	—	934	934	6,648	1,933	8,581
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	361	—	0	909	—	0	0	0	1,073	1,073
Total	100,841	—	7,306	10,547	—	4,470	4,470	25,550	34,985	60,535
Persian Gulf³	18,538	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	69	—	69
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	69	—	69
Non-OPEC	—	—	—	1,591	—	—	11,702	163	5,145	—	17,010
Argentina	—	—	—	1,449	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	142	—	—	9,261	163	4,624	—	14,048
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	4	—	—	—	4
Colombia	—	—	—	—	—	—	183	—	70	—	253
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	2,254	—	—	—	2,254
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	100	—	100
Netherlands	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	351	—	351
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	—	—	0	0	0	—	0
Total	—	—	—	1,591	—	—	11,702	163	5,214	—	17,079
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	1,541	—	347	—	922	1,269
Algeria	—	—	—	—	—	347	—	—	347
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	3	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	1,538	—	—	—	922	922
Non-OPEC	168	24	—	5,090	—	—	580	6,990	7,570
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	43	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	13	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	4	—	1,879	—	—	76	2,614	2,690
Chad	—	—	—	—	—	—	—	—	—
China	168	—	—	262	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	1,167	1,167
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	787	—	—	—	1	1
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	2,106	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	780	780
Netherlands	—	20	—	—	—	—	—	109	109
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	49	4	53
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	270	270
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	1,717	1,717
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	—	0	455	328	783
Total	168	24	—	6,631	—	347	580	7,912	8,839
Persian Gulf³	—	—	—	3	—	—	—	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	192	282	30	—	11,015	73,543	521	92	613
Algeria	—	—	—	—	—	—	—	4,031	8,833	40	34	74
Angola	—	—	—	—	—	—	—	287	5,305	42	2	44
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	3	8,139	68	0	68
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	1,045	9	—	9
Nigeria	—	—	—	—	—	—	—	1,939	31,610	247	16	263
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	10,402	87	—	87
United Arab Emirates	—	—	—	—	—	30	—	30	30	—	0	0
Venezuela	—	—	—	192	282	—	—	4,725	8,179	29	39	68
Non-OPEC	3	—	257	11	2,571	769	—	110,292	148,605	319	919	1,238
Argentina	—	—	—	—	—	4	—	1,453	1,453	—	12	12
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	43	43	—	0	0
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	13	—	2,302	2,302	—	19	19
Brazil	—	—	21	—	—	—	—	34	6,379	53	0	53
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	196	5	2,026	455	—	48,281	70,613	186	402	588
Chad	—	—	—	—	—	—	—	—	951	8	—	8
China	—	—	12	—	—	—	—	446	446	—	4	4
Colombia	—	—	—	—	—	—	—	2,335	7,280	41	19	61
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	73	73	—	1	1
Egypt	—	—	—	—	—	—	—	—	487	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	1,222	1,222	—	10	10
France	—	—	—	—	—	21	—	3,003	3,003	—	25	25
Germany	—	—	16	—	1	26	—	268	268	—	2	2
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	6,648	6,648	—	55	55
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	4	—	1,147	1,147	—	10	10
Korea, South	—	—	—	—	—	219	—	2,810	2,810	—	23	23
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	495	495	—	4	4
Malaysia	—	—	1	—	—	—	—	101	101	—	1	1
Mexico	—	—	—	—	—	—	—	880	1,078	2	7	9
Netherlands	—	—	1	—	—	—	—	4,134	4,134	—	34	34
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	2,707	4,756	17	23	40
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	2,013	2,013	—	17	17
Russia	—	—	—	—	—	18	—	8,235	8,235	—	69	69
Spain	—	—	4	—	544	—	—	4,701	4,701	—	39	39
Sweden	—	—	—	—	—	9	—	2,170	2,170	—	18	18
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	2,310	2,310	—	19	19
United Kingdom	3	—	—	—	—	—	—	9,704	10,349	5	81	86
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	6	6	0	0	—	2,777	3,138	3	25	27
Total	3	—	257	203	2,853	799	—	121,307	222,148	840	1,011	1,851
Persian Gulf³	—	—	—	—	—	30	—	33	18,571	154	0	155

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	8,204	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	8,153	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	51	-	-	-	-	-	-	-	-	-
Non-OPEC	289,266	20	11,469	-	-	-	-	-	946	946
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	288,768	20	11,469	-	-	-	-	-	946	946
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	498	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	-	-	-	0	0
Total	297,470	20	11,469	-	-	-	-	-	946	946
Persian Gulf³	8,153	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	108	—	—	113	—	—	11	124
Argentina	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	108	—	—	113	—	—	11	124
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	—	—	—	0	—	—	0	—	—	0	0
Total	—	—	—	108	—	—	113	—	—	11	124
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	5	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	5	—	—	—	—	—
Non-OPEC	—	3	—	—	164	—	75	210	285
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	3	—	—	164	—	75	210	285
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	0	—	0	0	0
Total	—	3	—	5	164	—	75	210	285
Persian Gulf³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	5	8,209	68	0	68
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	8,153	68	—	68
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	5	56	0	0	0
Non-OPEC	304	256	16	106	874	817	—	15,523	304,789	2,411	129	2,540
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	304	256	16	100	874	817	—	15,517	304,285	2,406	129	2,536
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	498	4	—	4
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	6	—	—	—	6	6	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	0	0	—	0	0	1	0	0
Total	304	256	16	106	874	817	—	15,528	312,998	2,479	129	2,608
Persian Gulf³	—	—	—	—	—	—	—	—	8,153	68	—	68

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	259,276	—	—	12,079	—	—	—	—	229	229
Algeria	4,013	—	—	9,227	—	—	—	—	—	—
Angola	1,361	—	—	740	—	—	—	—	—	—
Ecuador	2,730	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	58,127	—	—	607	—	—	—	—	—	—
Kuwait	12,400	—	—	—	—	—	—	—	—	—
Libya	581	—	—	725	—	—	—	—	—	—
Nigeria	3,324	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	93,337	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	591	—	—	—	—	—	—
Venezuela	83,403	—	—	189	—	—	—	—	229	229
Non-OPEC	147,759	1,356	320	36,326	—	—	—	—	4,787	4,787
Argentina	—	—	—	—	—	—	—	—	426	426
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	3,849	—	—	—	—	832	832
Brazil	13,331	—	—	245	—	—	—	—	14	14
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	219	—	—	—	—	—	—
Canada	44,225	—	14	220	—	—	—	—	71	71
Chad	902	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	18,971	—	—	—	—	—	—	—	228	228
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	46	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	56	—	—	—	—	—	—
France	—	—	—	347	—	—	—	—	75	75
Germany	—	—	—	219	—	—	—	—	—	—
Guatemala	1,073	—	—	—	—	—	—	—	—	—
India	—	—	—	1,864	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	142	—	—	—	—	282	282
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	315	315
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	65,171	300	105	—	—	—	—	—	381	381
Netherlands	—	—	—	1,898	—	—	—	—	720	720
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	—	396	—	2,236	—	—	—	—	22	22
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	21,464	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	1,050	1,050
Sweden	—	—	—	74	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	362	—	—	—	—	—	—	—	147	147
United Kingdom	2,186	—	—	440	—	—	—	—	224	224
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	1,538	660	201	3,007	—	—	—	—	0	0
Total	407,035	1,356	320	48,405	—	—	—	—	5,016	5,016
Persian Gulf³	163,864	—	—	1,198	—	—	—	—	—	—

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	1,227	450	771	221	—	—	—	—	220	490	710
Argentina	127	—	—	221	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	197	—	—	—	—	—	—	—	—	—	—
Brazil	41	450	771	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	115	115
Germany	135	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—
Netherlands	727	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	220	375	595
Spain	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	—	—	—	—	0	0	0
Total	1,227	450	771	221	—	—	—	—	220	490	710
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	37	575	—	999	1,574
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	37	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	575	—	999	1,574
Non-OPEC	—	—	—	—	1,378	456	583	6,013	7,052
Argentina	—	—	—	—	—	456	—	—	456
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	105	105
Brazil	—	—	—	—	20	—	298	—	298
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	348	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	41	—	—	—	—
Germany	—	—	—	—	36	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	247	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	300	—	—	5,042	5,042
Netherlands	—	—	—	—	14	—	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	14	—	—	—	—
Russia	—	—	—	—	—	—	—	866	866
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	358	0	285	0	285
Total	—	—	—	—	1,415	1,031	583	7,012	8,626
Persian Gulf³	—	—	—	—	37	—	—	—	—

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	654	—	14,573	273,849	2,161	121	2,282
Algeria	—	—	—	—	—	—	—	9,227	13,240	33	77	110
Angola	—	—	—	—	—	—	—	740	2,101	11	6	18
Ecuador	—	—	—	—	—	—	—	—	2,730	23	—	23
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	607	58,734	484	5	489
Kuwait	—	—	—	—	—	—	—	—	12,400	103	—	103
Libya	—	—	—	—	—	—	—	725	1,306	5	6	11
Nigeria	—	—	—	—	—	—	—	—	3,324	28	—	28
Qatar	—	—	—	—	—	541	—	541	541	—	5	5
Saudi Arabia	—	—	—	—	—	—	—	37	93,374	778	0	778
United Arab Emirates	—	—	—	—	—	113	—	704	704	—	6	6
Venezuela	—	—	—	—	—	—	—	1,992	85,395	695	17	712
Non-OPEC	3,452	908	133	546	—	2,385	—	62,080	209,839	1,231	517	1,749
Argentina	—	180	—	383	—	3	—	1,796	1,796	—	15	15
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	373	—	373	373	—	3	3
Belgium	—	—	—	—	—	14	—	4,997	4,997	—	42	42
Brazil	—	—	—	—	—	—	—	1,839	15,170	111	15	126
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	219	219	—	2	2
Canada	—	—	—	—	—	—	—	653	44,878	369	5	374
Chad	—	—	—	—	—	—	—	—	902	8	—	8
China	—	—	78	—	—	—	—	78	78	—	1	1
Colombia	420	—	—	—	—	—	—	648	19,619	158	5	163
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	46	46	—	0	0
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	4	—	60	60	—	1	1
France	—	83	—	—	—	70	—	731	731	—	6	6
Germany	—	—	—	—	—	190	—	588	588	—	5	5
Guatemala	—	—	—	—	—	—	—	—	1,073	9	—	9
India	—	—	—	—	—	—	—	1,864	1,864	—	16	16
Indonesia	—	—	—	—	—	276	—	276	276	—	2	2
Italy	—	—	—	—	—	94	—	524	524	—	4	4
Korea, South	—	—	—	—	—	1,235	—	1,482	1,482	—	12	12
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	315	315	—	3	3
Malaysia	—	—	55	—	—	12	—	67	67	—	1	1
Mexico	1,169	—	—	—	—	—	—	7,297	72,468	543	61	604
Netherlands	151	—	—	—	—	—	—	3,547	3,547	—	30	30
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	645	—	—	—	—	—	3,299	3,299	—	27	27
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	14	14	—	0	0
Russia	—	—	—	—	—	7	—	22,932	22,932	—	191	191
Spain	—	—	—	—	—	—	—	1,050	1,050	—	9	9
Sweden	—	—	—	—	—	—	—	74	74	—	1	1
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	147	509	3	1	4
United Kingdom	373	—	—	163	—	70	—	1,270	3,456	18	11	29
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	1,339	0	0	0	—	37	—	5,894	7,432	12	48	61
Total	3,452	908	133	546	—	3,039	—	76,653	483,688	3,392	639	4,031
Persian Gulf³	—	—	—	—	—	1,027	—	2,262	166,126	1,366	19	1,384

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	34,753	-	1,553	-	-	-	-	-	40	40
Canada	34,753	-	1,553	-	-	-	-	-	40	40
Other	0	-	0	-	-	-	-	-	0	0
Total	34,753	-	1,553	-	-	-	-	-	40	40
	PAD District 5									
OPEC	79,224	-	-	2,661	-	-	-	-	-	-
Algeria	-	-	-	2,266	-	-	-	-	-	-
Angola	1,500	-	-	-	-	-	-	-	-	-
Ecuador	22,922	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	5,126	-	-	-	-	-	-	-	-	-
Kuwait	7,700	-	-	-	-	-	-	-	-	-
Libya	1,115	-	-	395	-	-	-	-	-	-
Nigeria	2,137	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	38,198	-	-	-	-	-	-	-	-	-
United Arab Emirates	526	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	56,503	-	4,463	10,312	-	407	407	-	3,493	3,493
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	4,277	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	26,633	-	4,192	1,225	-	407	407	-	1,598	1,598
China	-	-	-	-	-	-	-	-	-	-
Colombia	18,003	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	204	204
Korea, South	-	-	-	-	-	-	-	-	838	838
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	3,483	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	856	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	209	209
United Kingdom	-	-	-	-	-	-	-	-	644	644
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	4,107	-	271	8,231	-	0	0	-	0	0
Total	135,727	-	4,463	12,973	-	407	407	-	3,493	3,493
Persian Gulf ³	51,550	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	20	-	-	134	-	-	-	134
Canada	-	-	-	20	-	-	134	-	-	-	134
Other	-	-	-	0	-	-	0	-	-	-	0
Total	-	-	-	20	-	-	134	-	-	-	134
	PAD District 5										
OPEC	-	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	197	181	1,357	-	623	-	47	-	670
Argentina	-	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	197	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	181	-	-	623	-	47	-	670
China	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	0	0	1,357	-	0	-	0	-	0
Total	-	-	197	181	1,357	-	623	-	47	-	670
Persian Gulf ³	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC	—	—	—	18	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	10	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	1	—	—	—	—	—	—	—
Canada	—	1	—	—	—	—	—	—	—
Other	—	0	—	0	—	—	—	—	—
Total	—	1	—	18	—	—	—	—	—
	PAD District 5								
OPEC	—	—	—	1	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	1	—	—	—	—	—
Non-OPEC	—	—	—	11,131	—	—	—	5,256	5,256
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	628	628
China	—	—	—	1,109	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Japan	—	—	—	1,571	—	—	—	—	—
Korea, South	—	—	—	8,419	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	2,023	2,023
Netherlands	—	—	—	—	—	—	—	261	261
Netherlands Antilles	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	1,134	1,134
Singapore	—	—	—	—	—	—	—	230	230
Sweden	—	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Other	—	—	—	32	—	—	—	980	980
Total	—	—	—	11,132	—	—	—	5,256	5,256
Persian Gulf ³	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-April 2017
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	—	—	—	—	—	—	—	18	18	—	0	0
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	10	10	—	0	0
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	—	—	—	—	254	—	4	2,006	36,759	290	17	306
Canada	—	—	—	—	254	—	4	2,006	36,759	290	17	306
Other	—	—	—	—	0	—	0	0	0	0	0	0
Total	—	—	—	—	254	—	4	2,024	36,777	290	17	306
	PAD District 5											
OPEC	—	—	—	—	—	—	—	2,662	81,886	660	22	682
Algeria	—	—	—	—	—	—	—	2,266	2,266	—	19	19
Angola	—	—	—	—	—	—	—	—	1,500	13	—	13
Ecuador	—	—	—	—	—	—	—	—	22,922	191	—	191
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	5,126	43	—	43
Kuwait	—	—	—	—	—	—	—	—	7,700	64	—	64
Libya	—	—	—	—	—	—	—	395	1,510	9	3	13
Nigeria	—	—	—	—	—	—	—	—	2,137	18	—	18
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	38,198	318	—	318
United Arab Emirates	—	—	—	—	—	—	—	—	526	4	—	4
Venezuela	—	—	—	—	—	—	—	1	1	—	0	0
Non-OPEC	155	—	118	109	354	56	—	38,259	94,762	471	319	790
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	197	4,474	36	2	37
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	1	109	284	24	—	9,319	35,952	222	78	300
China	—	—	69	—	—	—	—	1,178	1,178	—	10	10
Colombia	—	—	—	—	—	—	—	—	18,003	150	—	150
Finland	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Japan	—	—	45	—	—	1	—	1,821	1,821	—	15	15
Korea, South	36	—	—	—	—	31	—	9,324	9,324	—	78	78
Malaysia	—	—	3	—	70	—	—	73	73	—	1	1
Mexico	—	—	—	—	—	—	—	2,023	5,506	29	17	46
Netherlands	—	—	—	—	—	—	—	261	261	—	2	2
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Peru	—	—	—	—	—	—	—	1,990	1,990	—	17	17
Singapore	—	—	—	—	—	—	—	1,587	1,587	—	13	13
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Taiwan	74	—	—	—	—	—	—	283	283	—	2	2
United Kingdom	—	—	—	—	—	—	—	644	644	—	5	5
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Other	45	—	0	0	0	0	—	9,559	13,666	34	79	114
Total	155	—	118	109	354	56	—	40,921	176,648	1,131	341	1,472
Persian Gulf ³	—	—	—	—	—	—	—	—	51,550	430	—	430

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, April 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	654	5,995	23,259	115	0	30,023	1,001
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	2,563	7,757	30,737	466	1,654	43,177	1,439
Pentanes Plus	67	5,371	50	418	17	5,924	197
Liquefied Petroleum Gases	2,496	2,386	30,687	48	1,637	37,253	1,242
Ethane/Ethylene	1,315	1,730	1,998	—	0	5,043	168
Propane/Propylene	1,057	292	24,476	0	965	26,790	893
Normal Butane/Butylene	123	363	4,112	48	672	5,319	177
Isobutane/Isobutylene	—	0	101	—	—	101	3
Other Liquids	2,193	877	8,652	16	433	12,170	406
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	122	604	3,414	6	40	4,187	140
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	1	1	1,722	—	1	1,725	58
Methyl Tertiary Butyl Ether (MTBE)	0	—	918	—	0	918	31
Other Oxygenates	1	1	804	—	1	807	27
Renewable Fuels (including Fuel Ethanol) ...	121	604	1,692	6	39	2,462	82
Fuel Ethanol	115	430	1,615	0	18	2,178	73
Biomass-Based Diesel	7	174	77	6	20	283	9
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	2,066	182	4,114	10	160	6,532	218
Naphthas and Lighter	2,047	171	3,430	10	157	5,815	194
Kerosene and Light Gas Oils	19	10	684	—	3	717	24
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	5	91	1,123	—	232	1,452	48
Reformulated	0	—	3	—	0	3	0
Conventional	5	91	1,121	—	232	1,448	48
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	3,354	1,656	83,947	32	7,613	96,601	3,220
Finished Motor Gasoline	26	60	18,274	2	1,389	19,751	658
Reformulated	—	—	—	—	—	—	—
Conventional	26	60	18,274	2	1,389	19,751	658
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	260	307	5,434	—	734	6,736	225
Kerosene	2	1	56	—	4	64	2
Distillate Fuel Oil	1,413	164	36,121	—	1,911	39,609	1,320
15 ppm sulfur and under	1,413	1	30,990	—	1,341	33,745	1,125
Greater than 15 ppm to 500 ppm sulfur	—	47	3,548	—	196	3,792	126
Greater than 500 ppm sulfur	0	116	1,583	—	374	2,073	69
Residual Fuel Oil	635	234	6,681	16	328	7,895	263
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	251	185	2,717	12	201	3,367	112
Waxes	93	25	14	0	7	140	5
Petroleum Coke	594	584	14,296	0	3,005	18,480	616
Asphalt and Road Oil	66	95	342	1	32	536	18
Miscellaneous Products	12	0	10	0	1	24	1
Total	8,764	16,285	146,595	629	9,699	181,972	6,066

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-April 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	3,077	24,393	82,081	268	425	110,244	919
Natural Gas Plant Liquids and Liquefied							
Refinery Gases	17,825	20,814	127,973	1,590	4,780	172,982	1,442
Pentanes Plus	8,077	12,915	158	1,497	70	22,717	189
Liquefied Petroleum Gases	9,748	7,900	127,815	93	4,710	150,266	1,252
Ethane/Ethylene	4,599	6,257	7,450	—	0	18,306	153
Propane/Propylene	4,927	704	107,203	1	3,578	116,412	970
Normal Butane/Butylene	220	938	12,607	93	1,132	14,991	125
Isobutane/Isobutylene	2	0	555	—	—	558	5
Other Liquids	7,858	4,300	44,909	69	2,682	59,819	498
Hydrogen/Oxygenates/Renewables/ Other Hydrocarbons	232	2,357	16,275	6	1,069	19,940	166
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	5	3	7,931	—	6	7,946	66
Methyl Tertiary Butyl Ether (MTBE)	0	0	4,589	—	0	4,590	38
Other Oxygenates	5	3	3,342	—	6	3,356	28
Renewable Fuels (including Fuel Ethanol) ...	228	2,353	8,344	6	1,063	11,994	100
Fuel Ethanol	204	2,064	8,190	0	1,016	11,473	96
Biomass-Based Diesel	24	290	154	6	47	520	4
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	7,591	1,791	20,123	63	496	30,065	251
Naphthas and Lighter	7,180	1,761	16,888	62	475	26,366	220
Kerosene and Light Gas Oils	412	30	3,235	1	21	3,699	31
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	34	152	8,510	0	1,117	9,814	82
Reformulated	2	0	21	—	2	24	0
Conventional	33	152	8,490	0	1,115	9,790	82
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	16,761	5,774	313,854	128	41,691	378,208	3,152
Finished Motor Gasoline	1,862	551	74,062	3	6,716	83,194	693
Reformulated	—	—	—	—	—	—	—
Conventional	1,862	551	74,062	3	6,716	83,194	693
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	454	1,122	17,703	—	3,390	22,668	189
Kerosene	9	6	214	—	13	242	2
Distillate Fuel Oil	6,120	1,128	125,237	—	13,610	146,096	1,217
15 ppm sulfur and under	3,670	7	108,634	—	8,687	120,997	1,008
Greater than 15 ppm to 500 ppm sulfur	2,349	723	12,745	—	976	16,792	140
Greater than 500 ppm sulfur	101	398	3,859	—	3,948	8,306	69
Residual Fuel Oil	4,813	1,045	28,041	74	1,732	35,704	298
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	806	703	11,659	43	715	13,926	116
Waxes	285	102	75	1	25	488	4
Petroleum Coke	1,989	822	55,592	0	15,379	73,782	615
Asphalt and Road Oil	365	294	1,128	8	110	1,905	16
Miscellaneous Products	58	0	143	0	2	203	2
Total	45,521	55,281	568,816	2,055	49,578	721,252	6,010

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2017
(Thousand Barrels)

Destination	Crude Oil ¹	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina	278	—	—	90	—	300	300	—	0	0
Australia	—	0	2	0	—	—	—	—	0	0
Bahamas	—	0	3	—	—	274	274	—	0	0
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	11	—	0	0	—	0	0
Belize	—	—	—	—	—	311	311	—	—	—
Brazil	—	0	1,697	4	—	1,132	1,132	—	0	0
Canada	8,875	5,871	2,556	2,237	—	238	238	—	320	320
Cayman Islands	—	0	—	—	—	16	16	—	—	—
Chile	—	—	803	123	—	57	57	—	1	1
China	9,681	—	4,027	469	—	6	6	—	0	0
Colombia	489	1	0	1,198	—	500	500	—	0	0
Costa Rica	—	0	—	0	—	532	532	—	220	220
Denmark	326	—	—	—	—	—	—	—	—	—
Dominican Republic	—	—	977	4	—	535	535	—	0	0
Ecuador	—	—	921	8	—	1,055	1,055	—	—	—
Egypt	—	—	550	—	—	—	—	—	—	—
El Salvador	—	—	443	0	—	312	312	—	0	0
Finland	—	—	—	—	—	0	0	0	—	0
France	1,210	26	619	314	—	1	1	—	—	—
Germany	—	0	—	2	—	—	—	—	—	—
Ghana	—	—	486	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	41	—	920	920	—	—	—
Honduras	—	—	149	1	—	236	236	—	43	43
Hong Kong	—	—	—	—	—	—	—	—	—	—
India	—	0	1,648	0	—	—	—	—	—	—
Indonesia	—	—	—	16	—	—	—	—	—	—
Ireland	—	—	—	0	—	—	—	—	—	—
Israel	—	—	0	1	—	—	—	—	0	0
Italy	639	—	—	14	—	—	—	—	—	—
Jamaica	—	0	18	—	—	334	334	—	0	0
Japan	1,300	—	7,119	470	—	2	2	0	1	1
Korea, South	2,069	—	4,387	97	—	0	0	0	—	0
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	22	3,391	329	—	10,528	10,528	3	857	860
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	88	14	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	2,336	—	843	552	—	182	182	—	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	1	—	—	1	1	—	0	0
Nicaragua	—	0	—	—	—	74	74	—	—	—
Nigeria	—	—	—	0	—	—	—	—	—	—
Norway	—	—	1,372	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	—	0	158	0	—	974	974	—	—	—
Peru	—	—	—	0	—	569	569	—	—	—
Philippines	—	—	—	0	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	0	3	0	—	2	2	—	0	0
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	6	—	1	1	—	—	—
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	929	0	1,159	43	—	—	—	—	0	0
South Africa	—	—	1	—	—	—	—	—	—	—
Spain	—	—	410	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	270	270	—	0	0
Taiwan	—	0	0	—	—	2	2	—	2	2
Thailand	665	0	—	0	—	—	—	—	—	—
Trinidad and Tobago	—	0	—	0	—	0	0	—	—	—
Turkey	—	0	557	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	12	—	—	—	—	—	—
United Kingdom	1,193	—	796	0	—	3	3	—	0	0
Venezuela	—	—	—	469	—	264	264	—	—	—
Other	33	4	2,069	7	—	120	120	—	4	5
Total	30,023	5,924	37,253	6,532	—	19,751	19,751	3	1,448	1,452

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2017
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	—	0	—	—	—	—	1,595	321	—	—	1,916
Australia	0	—	0	—	—	—	—	—	—	—	—
Bahamas	—	—	2	—	—	—	201	29	302	—	532
Bahrain	—	—	—	—	—	—	—	—	—	—	—
Belgium	20	—	0	—	—	—	—	—	100	—	100
Belize	—	—	—	—	—	—	—	35	—	—	35
Brazil	0	0	1,060	—	—	—	6,027	529	—	—	6,556
Canada	—	0	453	265	—	—	0	531	193	—	724
Cayman Islands	—	—	—	—	—	—	198	—	—	—	198
Chile	243	—	0	—	—	—	3,308	—	—	—	3,308
China	—	0	0	—	—	—	0	—	—	—	0
Colombia	—	0	40	—	—	—	207	—	—	—	207
Costa Rica	—	0	0	—	—	—	921	—	—	—	921
Denmark	—	—	—	—	—	—	—	—	—	—	—
Dominican Republic	—	—	0	—	—	—	48	—	—	—	48
Ecuador	—	0	0	—	—	—	855	456	—	—	1,311
Egypt	—	—	0	—	—	—	—	—	—	—	—
El Salvador	—	—	—	—	—	—	0	476	—	—	476
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	0	0	—	—	—	2,818	—	—	—	2,818
Germany	—	0	—	0	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	1,243	—	100	—	1,343
Greece	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	0	—	—	—	—	812	156	—	—	968
Honduras	—	—	—	—	—	—	116	93	0	—	209
Hong Kong	—	0	0	—	—	—	—	—	—	—	—
India	—	0	1	—	—	—	0	—	—	—	0
Indonesia	—	0	—	—	—	—	—	—	—	—	—
Ireland	—	—	0	—	—	—	—	—	—	—	—
Israel	—	0	—	—	—	—	0	—	—	—	0
Italy	—	0	—	0	—	—	1	—	—	—	1
Jamaica	—	—	39	—	—	—	275	—	110	—	385
Japan	—	804	0	—	—	—	0	—	—	—	0
Korea, South	—	0	62	—	—	—	1	—	—	—	1
Lebanon	—	—	—	—	—	—	—	—	—	—	—
Mexico	425	0	54	12	—	—	5,350	29	39	—	5,417
Montenegro	—	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	618	—	—	—	618
Mozambique	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	0	12	2	—	—	664	313	—	—	977
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—	—	—	—
Nicaragua	—	—	—	0	—	—	—	—	—	—	—
Nigeria	—	—	147	—	—	—	—	—	—	—	—
Norway	—	—	0	—	—	—	1	—	—	—	1
Pakistan	—	0	—	—	—	—	—	—	—	—	—
Panama	—	—	0	—	—	—	1,079	485	—	—	1,564
Peru	—	—	93	—	—	—	1,880	—	—	—	1,880
Philippines	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	0	101	—	—	—	—	—	—	—	—
Romania	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	0	0	—	—	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—	—	—	—
Singapore	—	1	32	1	—	—	351	—	297	—	648
South Africa	—	0	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	1	—	—	—	—	—	—
Switzerland	—	—	—	2	—	—	—	54	—	—	54
Taiwan	0	—	—	—	—	—	0	—	0	—	1
Thailand	—	0	0	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	0	—	—	—	—	0	—	—	—	0
Turkey	—	—	—	—	—	—	0	—	—	—	0
United Arab Emirates	—	0	79	—	—	—	0	—	—	—	0
United Kingdom	—	0	0	—	—	—	2,269	—	—	—	2,269
Venezuela	230	—	—	—	—	—	599	285	271	—	1,155
Other	—	2	3	—	—	—	2,308	—	661	—	2,968
Total	918	807	2,178	283	—	—	33,745	3,792	2,073	—	39,609

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2017
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	—	—	—	144	—	—	—	—
Australia	—	—	—	—	—	—	—	—
Bahamas	—	—	—	65	—	157	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	—	—	—	—	—	—	—	—
Brazil	0	—	—	320	—	—	—	—
Canada	3	—	—	945	—	775	—	—
Cayman Islands	—	—	—	178	—	—	—	—
Chile	—	—	—	309	—	—	—	—
China	1	—	—	—	—	0	—	—
Colombia	0	—	—	—	—	—	—	—
Costa Rica	—	—	—	149	—	201	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	—	—	—	290	—	0	—	—
Ecuador	—	—	—	80	—	211	—	—
Egypt	—	—	—	—	—	205	—	—
El Salvador	—	—	—	28	—	—	—	—
Finland	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	2	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	49	—	—	28	—	29	—	—
Honduras	—	—	—	60	—	389	—	—
Hong Kong	0	—	—	—	—	—	—	—
India	—	—	—	—	—	0	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	0	—	—	0	—	—	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	10	—	—	—	—
Japan	—	—	—	—	—	0	—	—
Korea, South	—	—	—	—	—	—	—	—
Lebanon	—	—	—	—	—	596	—	—
Mexico	7	—	—	1,311	—	1,334	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	315	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	0	—	—	—	—	359	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	0	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	0	—	—	587	—	338	—	—
Peru	0	—	—	272	—	—	—	—
Philippines	—	—	—	0	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	0	—	—	—	—	—	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	0	—	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—
Singapore	0	—	—	—	—	2,341	—	—
South Africa	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	0	—	—	—	—	1	—	—
Thailand	0	—	—	—	—	—	—	—
Trinidad and Tobago	0	—	—	1	—	—	—	—
Turkey	0	—	—	—	—	—	—	—
United Arab Emirates	0	—	—	—	—	—	—	—
United Kingdom	—	—	—	630	—	0	—	—
Venezuela	—	—	—	—	—	523	—	—
Other	4	—	—	1,014	—	434	—	—
Total	64	—	—	6,736	—	7,895	—	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, April 2017
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	1	0	—	58	—	2,510	2,788	9	84	93
Australia	1	167	1	4	—	175	175	—	6	6
Bahamas	—	—	7	4	—	1,045	1,045	—	35	35
Bahrain	—	—	—	0	—	0	0	—	0	0
Belgium	1	205	—	223	0	561	561	—	19	19
Belize	—	—	—	1	—	347	347	—	12	12
Brazil	0	1,495	0	252	0	12,517	12,517	—	417	417
Canada	77	645	152	281	2	15,544	24,419	296	518	814
Cayman Islands	—	—	1	2	—	395	395	—	13	13
Chile	0	—	184	77	—	5,104	5,104	—	170	170
China	4	1,128	3	51	1	5,693	15,374	323	190	512
Colombia	0	0	0	154	0	2,102	2,592	16	70	86
Costa Rica	0	—	—	20	—	2,044	2,044	—	68	68
Denmark	—	116	0	0	—	116	442	11	4	15
Dominican Republic	0	175	40	18	0	2,087	2,087	—	70	70
Ecuador	—	264	0	32	—	3,883	3,883	—	129	129
Egypt	—	821	—	0	0	1,576	1,576	—	53	53
El Salvador	—	—	—	52	—	1,311	1,311	—	44	44
Finland	—	275	0	0	—	276	276	—	9	9
France	0	490	—	100	—	4,368	5,578	40	146	186
Germany	1	—	1	34	—	41	41	—	1	1
Ghana	—	—	—	0	—	486	486	—	16	16
Gibraltar	—	—	—	548	—	1,891	1,891	—	63	63
Greece	—	674	—	0	—	674	674	—	22	22
Guatemala	—	—	—	22	—	2,058	2,058	—	69	69
Honduras	0	—	—	14	—	1,101	1,101	—	37	37
Hong Kong	1	—	—	2	0	3	3	—	0	0
India	1	2,192	2	45	0	3,890	3,890	—	130	130
Indonesia	0	—	1	2	0	20	20	—	1	1
Ireland	—	197	—	—	—	197	197	—	7	7
Israel	0	282	—	3	0	287	287	—	10	10
Italy	0	278	0	0	0	294	933	21	10	31
Jamaica	—	—	0	6	0	793	793	—	26	26
Japan	1	1,950	1	7	2	10,357	11,657	43	345	389
Korea, South	0	537	4	46	0	5,135	7,204	69	171	240
Lebanon	—	116	—	1	—	713	713	—	24	24
Mexico	13	2,212	76	498	10	26,502	26,502	—	883	883
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	622	—	—	—	1,657	1,657	—	55	55
Mozambique	—	40	—	—	—	40	40	—	1	1
Netherlands	5	284	1	15	1	3,235	5,571	78	108	186
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	0	—	1	2	—	5	5	—	0	0
Nicaragua	0	—	—	13	—	88	88	—	3	3
Nigeria	—	—	—	153	—	301	301	—	10	10
Norway	—	76	—	1	—	1,449	1,449	—	48	48
Pakistan	0	0	0	1	—	1	1	—	0	0
Panama	—	—	29	92	0	3,743	3,743	—	125	125
Peru	0	—	1	54	0	2,870	2,870	—	96	96
Philippines	0	572	—	1	0	574	574	—	19	19
Portugal	0	—	—	0	—	0	0	—	0	0
Puerto Rico	0	—	0	14	—	121	121	—	4	4
Romania	—	191	—	0	—	192	192	—	6	6
Saudi Arabia	0	11	1	6	—	25	25	—	1	1
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	0	—	0	163	0	4,387	5,316	31	146	177
South Africa	—	—	—	65	—	66	66	—	2	2
Spain	0	482	—	1	—	894	894	—	30	30
Switzerland	0	—	—	—	—	326	326	—	11	11
Taiwan	28	0	0	4	—	38	38	—	1	1
Thailand	0	—	3	4	0	8	673	22	0	22
Trinidad and Tobago	0	0	—	4	0	5	5	—	0	0
Turkey	—	1,373	0	3	—	1,935	1,935	—	64	64
United Arab Emirates	0	0	0	44	—	137	137	—	5	5
United Kingdom	0	47	0	6	0	3,752	4,945	40	125	165
Venezuela	0	28	—	110	—	2,779	2,779	—	93	93
Other	6	535	27	54	8	7,224	7,257	2	240	242
Total	140	18,480	536	3,367	24	151,948	181,972	1,001	5,065	6,066

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2017
(Thousand Barrels)

Destination	Crude Oil ¹	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	529	1	0	235	—	812	812	—	0	0
Australia	223	0	1,158	2	—	2	2	—	0	0
Bahamas	524	2	67	190	—	763	763	0	1	1
Bahrain	—	—	—	—	—	3	3	1	—	1
Belgium	—	1	204	394	—	422	422	—	1	1
Belize	—	—	—	0	—	311	311	—	0	0
Brazil	—	12	4,390	1,275	—	4,026	4,026	—	163	163
Canada	33,372	22,477	8,421	8,316	—	1,246	1,246	—	1,285	1,285
Cayman Islands	—	0	—	0	—	67	67	—	0	0
Chile	—	0	2,180	259	—	936	936	—	1	1
China	24,877	4	18,731	2,161	—	21	21	—	4	4
Colombia	3,445	2	165	4,841	—	4,143	4,143	—	248	248
Costa Rica	—	0	261	19	—	2,079	2,079	—	594	594
Denmark	683	—	—	0	—	1	1	—	—	—
Dominican Republic	789	0	4,502	17	—	1,448	1,448	—	161	161
Ecuador	—	1	1,616	12	—	4,160	4,160	0	2	2
Egypt	—	—	2,181	1	—	—	—	—	—	—
El Salvador	—	0	1,105	3	—	1,471	1,471	—	0	0
Finland	—	—	—	—	—	0	0	0	—	0
France	2,612	62	2,842	678	—	1	1	9	0	9
Germany	—	0	—	16	—	1	1	0	0	0
Ghana	—	—	1,258	—	—	326	326	—	0	0
Gibraltar	—	—	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	0	0	—	—	—
Guatemala	—	1	1,006	44	—	4,840	4,840	—	36	36
Honduras	—	—	1,344	3	—	1,401	1,401	—	269	269
Hong Kong	732	0	—	1	—	1	1	—	0	0
India	1,468	1	5,736	0	—	—	—	0	0	0
Indonesia	—	—	1,639	17	—	—	—	—	—	—
Ireland	—	—	—	0	—	1	1	—	—	—
Israel	—	—	1	1	—	7	7	—	0	0
Italy	5,907	—	235	26	—	—	—	—	—	—
Jamaica	—	0	105	—	—	621	621	—	0	0
Japan	4,669	0	26,467	856	—	151	151	1	3	4
Korea, South	4,267	—	12,915	648	—	100	100	0	0	1
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	74	15,786	1,368	—	41,449	41,449	12	5,668	5,680
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	1,216	35	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	8,541	72	6,896	3,301	—	603	603	—	34	34
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	—	—	2	0	—	1	1	—	0	0
Nicaragua	801	0	0	0	—	580	580	—	0	0
Nigeria	—	—	—	0	—	631	631	—	—	—
Norway	—	—	4,382	—	—	—	—	0	—	0
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	425	0	500	2	—	3,698	3,698	—	74	74
Peru	959	1	0	6	—	2,434	2,434	—	246	246
Philippines	—	—	—	0	—	—	—	—	—	—
Portugal	—	—	584	—	—	1	1	—	—	—
Puerto Rico	—	1	6	1	—	6	6	—	8	8
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	0	—	13	—	1	1	1	—	1
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	5,567	0	8,049	91	—	0	0	—	0	0
South Africa	—	—	1	0	—	299	299	—	—	—
Spain	1,222	—	1,257	0	—	—	—	—	238	238
Switzerland	—	—	0	0	—	458	458	—	0	0
Taiwan	—	0	275	891	—	2	2	—	3	3
Thailand	898	0	—	1	—	—	—	—	0	0
Trinidad and Tobago	—	0	2	26	—	0	0	—	—	—
Turkey	—	0	1,675	—	—	—	—	—	—	—
United Arab Emirates	—	0	—	29	—	0	0	—	—	—
United Kingdom	5,394	0	3,709	0	—	4	4	0	0	0
Venezuela	—	—	250	3,989	—	1,463	1,463	—	577	577
Other	2,340	5	7,147	297	—	2,203	2,203	—	174	173
Total	110,244	22,717	150,266	30,065	—	83,194	83,194	24	9,790	9,814

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2017
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	—	0	1	—	—	—	4,568	321	—	—	4,889
Australia	0	0	0	—	—	—	0	—	0	—	0
Bahamas	—	1	2	—	—	—	589	29	517	—	1,135
Bahrain	—	—	0	—	—	—	—	—	—	—	—
Belgium	42	0	0	0	—	—	241	278	100	—	619
Belize	—	—	0	—	—	—	0	79	—	—	79
Brazil	0	0	4,545	—	—	—	17,129	1,125	62	—	18,315
Canada	—	2	2,212	414	—	—	6	1,949	708	—	2,663
Cayman Islands	—	—	0	—	—	—	319	—	—	—	319
Chile	871	0	1	—	—	—	9,737	—	—	—	9,737
China	0	0	1	—	—	—	3	—	—	—	3
Colombia	—	0	112	—	—	—	3,275	—	—	—	3,275
Costa Rica	—	0	1	—	—	—	2,891	—	0	—	2,891
Denmark	—	—	—	—	—	—	—	—	—	—	—
Dominican Republic	—	—	2	—	—	—	937	60	100	—	1,097
Ecuador	—	0	0	—	—	—	3,038	982	—	—	4,020
Egypt	—	—	1	—	—	—	—	—	—	—	—
El Salvador	—	—	—	—	—	—	77	1,258	0	—	1,335
Finland	—	—	—	—	—	—	—	—	—	—	—
France	—	1	4	—	—	—	5,919	329	303	—	6,550
Germany	—	0	1	0	—	—	0	—	—	—	0
Ghana	—	—	0	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	2,031	1,749	634	—	4,414
Greece	—	—	1	—	—	—	—	—	—	—	—
Guatemala	—	0	0	—	—	—	3,146	1,352	—	—	4,498
Honduras	—	—	—	—	—	—	981	506	0	—	1,487
Hong Kong	—	0	0	—	—	—	1	—	—	—	1
India	—	0	1,705	—	—	—	1	—	—	—	1
Indonesia	—	0	—	—	—	—	—	—	—	—	—
Ireland	—	0	0	—	—	—	—	—	—	—	—
Israel	—	0	0	—	—	—	1	—	—	—	1
Italy	—	0	0	4	—	—	130	20	—	—	150
Jamaica	—	—	114	—	—	—	954	—	165	—	1,119
Japan	—	3,340	1	—	—	—	0	—	—	—	0
Korea, South	—	0	266	—	—	—	2	—	—	—	2
Lebanon	—	—	—	—	—	—	0	—	—	—	0
Mexico	2,921	5	224	35	—	—	25,712	422	95	—	26,229
Montenegro	—	—	—	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	1,967	—	—	—	1,967
Mozambique	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	0	94	5	—	—	5,616	1,447	455	—	7,518
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—
New Zealand	—	0	0	—	—	—	—	—	—	—	—
Nicaragua	—	—	—	3	—	—	53	250	100	—	403
Nigeria	—	—	232	—	—	—	—	—	—	—	—
Norway	—	0	0	—	—	—	10	—	—	—	10
Pakistan	—	0	—	—	—	—	—	—	—	—	—
Panama	—	—	0	—	—	—	4,398	1,264	248	—	5,909
Peru	—	0	310	55	—	—	9,311	—	—	—	9,311
Philippines	—	0	746	—	—	—	—	0	—	—	0
Portugal	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	1	167	—	—	—	0	1	0	—	1
Romania	—	—	—	—	—	—	311	—	—	—	311
Saudi Arabia	0	0	1	—	—	—	—	—	—	—	—
Serbia	—	—	—	—	—	—	—	—	—	—	—
Singapore	—	3	118	1	—	—	1,724	—	2,294	—	4,018
South Africa	—	0	—	0	—	—	—	—	—	—	—
Spain	—	—	—	1	—	—	1,114	—	—	—	1,114
Switzerland	—	—	32	2	—	—	—	149	—	—	149
Taiwan	0	0	0	—	—	—	0	—	0	—	1
Thailand	—	0	0	—	—	—	1	—	0	—	1
Trinidad and Tobago	—	0	0	—	—	—	1	—	—	—	1
Turkey	—	0	—	—	—	—	97	—	—	—	97
United Arab Emirates	—	0	577	—	—	—	0	—	—	—	0
United Kingdom	—	0	0	—	—	—	5,363	0	—	—	5,364
Venezuela	755	—	0	—	—	—	1,420	285	271	—	1,976
Other	1	3	2	—	—	—	7,923	2,937	2,254	—	13,116
Total	4,590	3,356	11,473	520	—	—	120,997	16,792	8,306	—	146,096

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2017
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	—	—	—	301	—	37	—	—
Australia	—	—	—	—	—	—	—	—
Bahamas	—	—	—	166	—	554	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	0	—	—	—	—	—	—	—
Brazil	0	—	—	929	—	—	—	—
Canada	16	—	—	5,006	—	3,928	—	—
Cayman Islands	57	—	—	193	—	0	—	—
Chile	3	—	—	764	—	0	—	—
China	3	—	—	3	—	257	—	—
Colombia	0	—	—	554	—	301	—	—
Costa Rica	0	—	—	611	—	201	—	—
Denmark	—	—	—	295	—	—	—	—
Dominican Republic	0	—	—	894	—	181	—	—
Ecuador	—	—	—	88	—	1,502	—	—
Egypt	—	—	—	—	—	887	—	—
El Salvador	0	—	—	74	—	—	—	—
Finland	47	—	—	307	—	—	—	—
France	—	—	—	315	—	—	—	—
Germany	0	—	—	—	—	2	—	—
Ghana	—	—	—	1	—	—	—	—
Gibraltar	—	—	—	—	—	226	—	—
Greece	—	—	—	—	—	0	—	—
Guatemala	49	—	—	370	—	613	—	—
Honduras	0	—	—	264	—	1,194	—	—
Hong Kong	0	—	—	—	—	—	—	—
India	—	—	—	0	—	0	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	0	—	—	205	—	—	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	405	—	855	—	—
Japan	—	—	—	1	—	0	—	—
Korea, South	0	—	—	0	—	0	—	—
Lebanon	—	—	—	—	—	2,197	—	—
Mexico	9	—	—	4,558	—	4,454	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	895	—	378	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	1	—	—	300	—	359	—	—
Netherlands Antilles	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	—	—	—
Nicaragua	0	—	—	—	—	0	—	—
Nigeria	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	0	—	—
Panama	0	—	—	1,854	—	1,245	—	—
Peru	0	—	—	770	—	192	—	—
Philippines	—	—	—	0	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	0	—	—	0	—	—	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	1	—	—	—	—	0	—	—
Serbia	—	—	—	—	—	—	—	—
Singapore	0	—	—	0	—	12,619	—	—
South Africa	—	—	—	—	—	380	—	—
Spain	—	—	—	—	—	0	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	0	—	—	—	—	2	—	—
Thailand	0	—	—	—	—	0	—	—
Trinidad and Tobago	0	—	—	3	—	—	—	—
Turkey	0	—	—	—	—	—	—	—
United Arab Emirates	1	—	—	—	—	300	—	—
United Kingdom	—	—	—	630	—	0	—	—
Venezuela	—	—	—	—	—	523	—	—
Other	55	—	—	1,912	—	2,317	—	—
Total	242	—	—	22,668	—	35,704	—	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-April 2017
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	2	179	0	157	0	6,614	7,144	4	55	60
Australia	3	774	1	48	0	1,988	2,211	2	17	18
Bahamas	—	—	14	392	—	3,287	3,811	4	27	32
Bahrain	0	—	—	3	—	7	7	—	0	0
Belgium	1	538	0	1,085	1	3,309	3,309	—	28	28
Belize	—	—	0	4	—	396	396	—	3	3
Brazil	1	5,427	1	952	1	40,039	40,039	—	334	334
Canada	318	1,970	562	1,036	15	59,887	93,259	278	499	777
Cayman Islands	—	—	2	6	—	644	644	—	5	5
Chile	1	—	360	312	0	15,426	15,426	—	129	129
China	26	8,310	13	454	4	29,997	54,874	207	250	457
Colombia	2	1	0	450	1	14,095	17,540	29	117	146
Costa Rica	1	146	133	68	0	7,005	7,005	—	58	58
Denmark	—	308	1	1	—	605	1,288	6	5	11
Dominican Republic	1	175	125	98	0	8,701	9,490	7	73	79
Ecuador	0	620	0	195	0	12,217	12,217	—	102	102
Egypt	0	2,769	0	2	0	5,841	5,841	—	49	49
El Salvador	0	—	0	102	—	4,092	4,092	—	34	34
Finland	0	275	0	2	—	633	633	—	5	5
France	1	525	0	268	—	11,257	13,869	22	94	116
Germany	5	0	3	357	0	386	386	—	3	3
Ghana	0	—	—	1	—	1,586	1,586	—	13	13
Gibraltar	—	—	—	1,175	—	5,815	5,815	—	48	48
Greece	—	2,710	—	1	—	2,712	2,712	—	23	23
Guatemala	0	825	0	73	—	12,356	12,356	—	103	103
Honduras	0	514	35	48	—	6,560	6,560	—	55	55
Hong Kong	2	0	—	10	1	17	749	6	0	6
India	3	10,503	5	590	1	18,547	20,015	12	155	167
Indonesia	0	0	7	23	0	1,687	1,687	—	14	14
Ireland	—	197	—	0	—	198	198	—	2	2
Israel	0	567	—	491	0	1,273	1,273	—	11	11
Italy	0	1,691	0	61	1	2,169	8,076	49	18	67
Jamaica	—	0	0	51	1	3,271	3,271	—	27	27
Japan	3	6,485	2	71	12	37,394	42,063	39	312	351
Korea, South	1	1,468	47	190	2	15,639	19,906	36	130	166
Lebanon	0	580	—	6	—	2,783	2,783	—	23	23
Mexico	63	7,865	352	1,902	28	113,001	113,001	—	942	942
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	2,322	—	0	—	6,812	6,812	—	57	57
Mozambique	—	222	—	—	—	222	222	—	2	2
Netherlands	11	835	3	277	8	20,318	28,860	71	169	240
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
New Zealand	0	202	1	4	0	210	210	—	2	2
Nicaragua	0	—	0	28	—	1,015	1,816	7	8	15
Nigeria	—	—	—	257	—	1,120	1,120	—	9	9
Norway	0	376	0	2	—	4,772	4,772	—	40	40
Pakistan	0	0	1	2	0	3	3	—	0	0
Panama	0	—	67	164	114	13,628	14,053	4	114	117
Peru	1	182	1	268	0	13,776	14,735	8	115	123
Philippines	1	573	—	3	1	1,324	1,324	—	11	11
Portugal	0	451	—	0	—	1,036	1,036	—	9	9
Puerto Rico	0	—	0	57	0	249	249	—	2	2
Romania	—	191	—	1	—	502	502	—	4	4
Saudi Arabia	0	173	1	52	0	242	242	—	2	2
Serbia	—	—	—	—	—	—	—	—	—	—
Singapore	1	0	0	380	0	25,281	30,848	46	211	257
South Africa	0	87	0	251	—	1,019	1,019	—	8	8
Spain	1	2,909	30	5	0	5,555	6,777	10	46	56
Switzerland	0	—	—	0	0	642	642	—	5	5
Taiwan	28	233	3	42	0	1,481	1,481	—	12	12
Thailand	0	0	6	14	1	24	922	7	0	8
Trinidad and Tobago	0	1	0	26	0	59	59	—	0	0
Turkey	0	6,818	0	35	—	8,626	8,626	—	72	72
United Arab Emirates	0	2	2	283	—	1,195	1,195	—	10	10
United Kingdom	1	266	1	29	0	10,007	15,401	45	83	128
Venezuela	0	28	1	778	0	10,338	10,338	—	86	86
Other	10	2,489	125	283	11	30,118	32,456	20	252	271
Total	488	73,782	1,905	13,926	203	611,008	721,252	919	5,092	6,010

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2017
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	3,509	-	-31	138	-	-44	-44	-	42	42
Algeria	48	-	-	105	-	-	-	-	-	-
Angola	84	-	-	-	-	-	-	-	-	-
Ecuador	180	-	-31	0	-	-35	-35	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	790	-	-	20	-	-	-	-	-	-
Kuwait	101	-	0	-	-	-	-	-	-	-
Libya	35	-	-	10	-	-	-	-	-	-
Nigeria	305	-	-	0	-	-	-	-	26	26
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,154	-	-	0	-	0	0	-	-	-
United Arab Emirates	-	-	-	19	-	-	-	-	-	-
Venezuela	812	-	-	-16	-	-9	-9	-	16	16
Non-OPEC	3,621	-184	-1,072	156	-	-572	-572	232	437	669
Argentina	-9	-	-	-3	-	-10	-10	-	9	9
Aruba	-	-	-38	-	-	-2	-2	-	-	-
Australia	-	0	0	0	-	-	-	-	0	0
Bahamas	-	0	0	-	-	-9	-9	-	0	0
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	42	-	0	0	-	19	19
Brazil	146	0	-57	0	-	-38	-38	-	0	0
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	0	-	-	-	-	-	-	-	-
Canada	3,056	-195	48	-74	-	9	9	106	43	149
Chad	-	-	-	-	-	-	-	-	-	-
China	-323	-	-134	-16	-	0	0	-	0	0
Colombia	385	0	0	-36	-	-17	-17	-	5	5
Denmark	-11	-	-	0	-	0	0	0	0	1
Dominican Republic	-	-	-33	0	-	-18	-18	-	0	0
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	0	0	0	36	36
France	-40	-1	-21	-8	-	0	0	10	8	18
Germany	-	0	-	2	-	0	0	2	0	2
Guatemala	9	-	-	-1	-	-31	-31	-	-	-
Honduras	-	-	-5	0	-	-8	-8	-	-1	-1
India	-	0	-55	0	-	-	-	18	35	52
Indonesia	-	-	-	-1	-	-	-	-	-	-
Italy	-21	-	-	0	-	11	11	3	13	16
Japan	-43	-	-237	-16	-	0	0	0	0	0
Korea, South	-69	-	-146	-3	-	0	0	0	42	42
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	0	0	-	-	-
Mexico	605	-1	-112	-11	-	-351	-351	0	-26	-26
Netherlands	-78	-	-28	-11	-	-1	-1	22	23	45
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	-	13	-46	33	-	8	8	10	11	21
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-	0	-5	0	-	-32	-32	-	-	-
Portugal	-	-	-	-	-	0	0	7	21	28
Puerto Rico	-	0	0	0	-	0	0	-	0	0
Russia	30	-	-	217	-	-	-	1	59	60
Spain	-	-	-14	9	-	-	-	-	65	65
Sweden	-	-	-5	-	-	0	0	4	9	13
Trinidad and Tobago	-	0	2	12	-	0	0	-	13	13
United Kingdom	-23	-	-27	13	-	1	1	49	40	89
Vietnam	-	-	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-1	-	-	0	0	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	7	0	-158	8	-	-84	-84	0	13	13
Total	7,130	-184	-1,103	294	-	-616	-616	232	480	712
Persian Gulf²	2,045	-	0	39	-	0	0	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-8	0	-8	-	-	-	-48	-25	-9	-	-82
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	0	0	-	-	-	-29	-15	-	-	-44
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	0	-	-	-	0
Kuwait	-	-	0	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-5	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	0	0	-	-	-	-	-	-	-	-
United Arab Emirates	-	0	-3	-	-	-	0	-	-	-	0
Venezuela	-8	-	-	-	-	-	-20	-10	-9	-	-39
Non-OPEC	-17	-22	-58	13	13	-	-1,006	-100	-16	-	-1,123
Argentina	-	0	-	18	-	-	-53	-11	-	-	-64
Aruba	-	-	-	-	-	-	-1	-	-	-	-1
Australia	0	-	0	-	-	-	-	-	-	-	-
Bahamas	-	-	0	-	-	-	-7	-1	-10	-	-18
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	2	-	0	-	-	-	-	-	-3	-	-3
Brazil	0	5	-29	-	-	-	-201	-18	-	-	-219
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-15	-4	-	-	70	-16	27	-	81
Chad	-	-	-	-	-	-	-	-	-	-	-
China	-	0	0	-	-	-	0	-	-	-	0
Colombia	-	0	-1	-	-	-	-7	-	-	-	-7
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-2	-	-	-	-2
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	0	-	-	-	-94	-	-	-	-94
Germany	1	0	-	0	-	-	-	-	-	-	-
Guatemala	-	0	-	-	-	-	-27	-5	-	-	-32
Honduras	-	-	-	-	-	-	-4	-3	0	-	-7
India	-	0	0	-	-	-	0	-	-	-	0
Indonesia	-	0	-	-	-	-	-	-	-	-	-
Italy	-	0	-	0	-	-	0	-	-	-	0
Japan	-	-27	0	-	-	-	0	-	-	-	0
Korea, South	-	0	-2	-	-	-	0	-	-	-	0
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	-	-	-	-	0	-	-	-	0
Mexico	-14	0	-2	0	-	-	-178	-1	-1	-	-181
Netherlands	3	0	0	0	-	-	-22	-10	-	-	-33
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	0	-	-	-	0	-	-	-	0
Oman	-	-	-	-	-	-	0	-	-	-	0
Panama	-	-	0	-	-	-	-36	-16	-	-	-52
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	-3	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	0	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	0	-	-	-	-	0	-	11	-	11
United Kingdom	-	0	0	-	-	-	-76	-	-	-	-76
Vietnam	-	-	-	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	-	-	0	-	-	-	-11	-	-13	-	-23
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-9	0	-6	-1	13	-	-357	-19	-27	-	-403
Total	-25	-22	-66	13	13	-	-1,054	-125	-25	-	-1,205
Persian Gulf²	-	0	-3	-	-	-	0	-	-	-	0

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	17	-	-20	-	-
Algeria	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-3	-	-7	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	0	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	-	-	-	-	-	-
United Arab Emirates	0	-	-	-	-	-	-	-
Venezuela	-	-	-	20	-	-13	-	-
Non-OPEC	-2	1	-	-59	6	-97	33	13
Argentina	-	-	-	-5	-	15	-	-
Aruba	-	-	-	-2	-	-8	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-1	-	6	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-
Brazil	0	-	-	-10	-	10	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	0	0	-	-7	4	-6	2	2
Chad	-	-	-	-	-	-	-	-
China	0	-	-	-	-	0	-	-
Colombia	0	-	-	-	-	-	7	-
Denmark	-	-	-	-	-	-	-	-
Dominican Republic	-	-	-	-10	-	0	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	1
Germany	-	-	-	-	-	0	-	-
Guatemala	-2	-	-	-1	-	-1	-	-
Honduras	-	-	-	-2	-	-13	-	-
India	-	-	-	4	-	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-
Japan	-	-	-	11	-	0	-	-
Korea, South	-	-	-	122	1	-	1	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-
Mexico	0	-	-	-44	-	17	10	-
Netherlands	0	1	-	-	-	-12	1	-
Netherlands Antilles	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	11
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-20	-	-11	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	0	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Trinidad and Tobago	0	-	-	0	-	14	-	-
United Kingdom	-	-	-	-21	-	0	2	-
Vietnam	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-2	-	-	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-71	1	-108	10	-1
Total	-2	1	-	-42	6	-117	33	13
Persian Gulf²	0	-	-	0	-	-	-	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, April 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-10	4	-10	-	-10	3,499
Algeria	-	-	-	0	-	105	153
Angola	-	-	-	0	-	0	84
Ecuador	-	-9	0	-1	-	-129	50
Gabon	-	-	-	0	-	0	0
Iran	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	20	810
Kuwait	-	0	0	0	-	0	101
Libya	-	-	-	-	-	10	45
Nigeria	-	-	-	-5	-	16	322
Qatar	0	-	-	0	-	0	0
Saudi Arabia	0	0	0	0	-	-1	1,153
United Arab Emirates	0	0	0	0	-	17	17
Venezuela	0	-1	4	-4	-	-48	764
Non-OPEC	0	-604	34	-67	-1	-2,942	679
Argentina	0	0	-	-2	-	-41	-50
Aruba	-	-	0	0	-	-51	-51
Australia	0	-6	0	0	-	-6	-6
Bahamas	-	-	0	0	-	-22	-22
Bahrain	-	-	-	7	-	7	7
Belgium	0	-7	-	-7	0	46	46
Brazil	1	-50	0	-8	0	-395	-249
Brunei	-	-	-	0	-	0	0
Cameroon	-	-	-	0	-	0	0
Canada	-1	-20	42	2	0	17	3,073
Chad	-	-	-	0	-	0	0
China	0	-38	0	-2	0	-189	-512
Colombia	0	0	0	-5	0	-55	330
Denmark	-	-4	0	0	-	-3	-14
Dominican Republic	0	-6	-1	-1	0	-70	-70
Equatorial Guinea	-	-	-	0	-	0	0
Estonia	0	-	-	-	-	0	0
Finland	-	-9	0	0	-	27	27
France	0	-16	-	-2	-	-124	-164
Germany	0	-	0	-1	-	5	5
Guatemala	-	-	-	-1	-	-69	-60
Honduras	0	-	-	0	-	-37	-37
India	0	-73	0	-1	0	-74	-74
Indonesia	0	-	0	2	0	1	1
Italy	0	-9	0	1	0	18	-4
Japan	1	-65	0	0	0	-334	-377
Korea, South	0	-18	0	6	0	3	-66
Latvia	-	-	-	0	-	0	0
Lithuania	-	-	-	-	-	-	-
Malaysia	0	-9	0	0	0	-9	-9
Mexico	0	-74	-3	-17	0	-809	-204
Netherlands	0	-9	0	-1	0	-46	-124
Netherlands Antilles	-	-	-	-	-	-	-
Norway	-	-3	-	0	-	38	38
Oman	-	-2	0	0	-	-2	-2
Panama	-	-	-1	-3	0	-125	-125
Portugal	0	-	-	0	-	28	28
Puerto Rico	0	-	0	0	-	-4	-4
Russia	0	0	0	0	-	277	308
Spain	0	-16	4	0	-	48	48
Sweden	0	0	-	0	-	9	9
Trinidad and Tobago	0	0	-	0	0	51	51
United Kingdom	0	-1	0	1	0	-19	-42
Vietnam	0	-	0	0	-	0	0
Virgin Islands, U.S.	-	-	0	0	-	-26	-26
Yemen	-	-	-	0	-	0	0
Other	-1	-169	-7	-35	-1	-1,007	-1,000
Total	0	-614	38	-77	-1	-2,952	4,178
Persian Gulf²	0	0	0	7	-	43	2,088

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2017
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Pentanes Plus	Liquefied Petroleum Gases	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	3,410	0	-16	121	-	-52	-52	0	29	29
Algeria	73	-	-	126	-	-	-	-	-	-
Angola	66	-	-	6	-	-	-	-	2	2
Ecuador	214	0	-13	0	-	-35	-35	0	0	0
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	595	-	-	5	-	-	-	-	-	-
Kuwait	168	-	0	-	-	-	-	-	-	-
Libya	23	-	-	9	-	-	-	-	-	-
Nigeria	293	-	-	1	-	-5	-5	-	15	15
Qatar	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,251	0	-	0	-	0	0	0	-	0
United Arab Emirates	4	0	-	5	-	0	0	-	-	-
Venezuela	724	-	-2	-32	-	-12	-12	-	11	11
Non-OPEC	3,803	-178	-1,027	228	-	-601	-601	213	260	473
Argentina	-4	0	0	-2	-	-7	-7	-	4	4
Aruba	-	0	-43	-1	-	-1	-1	-	-	-
Australia	-2	0	-10	0	-	0	0	-	0	0
Bahamas	-4	0	-1	-2	-	-6	-6	0	0	0
Bahrain	-	-	-	-	-	0	0	0	-	0
Belgium	-	0	-2	35	-	2	2	-	15	15
Brazil	200	0	-37	-9	-	-34	-34	-	-1	-1
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	0	-	2	-	0	0	-	0	0
Canada	3,194	-187	130	-56	-	5	5	105	60	165
Chad	15	-	-	-	-	-	-	-	-	-
China	-207	0	-156	-18	-	0	0	-	0	0
Colombia	321	0	-1	-39	-	-35	-35	-	7	7
Denmark	-6	-	-	0	-	0	0	0	0	1
Dominican Republic	-7	0	-38	0	-	-12	-12	-	-1	-1
Equatorial Guinea	-	-	0	-	-	-	-	-	-	-
Estonia	-	-	-	0	-	-	-	-	-	-
Finland	-	-	-	0	-	0	0	0	10	10
France	-22	-1	-24	-3	-	0	0	22	3	25
Germany	-	0	-	2	-	1	1	0	0	1
Guatemala	9	0	-8	0	-	-40	-40	-	0	0
Honduras	-	-	-11	0	-	-12	-12	-	-2	-2
India	-12	0	-48	16	-	0	0	4	26	30
Indonesia	-	-	-14	0	-	-	-	-	-	-
Italy	-49	-	-2	1	-	3	3	1	8	9
Japan	-39	0	-221	-7	-	-1	-1	0	2	2
Korea, South	-36	-	-108	-5	-	-1	-1	0	11	11
Latvia	-	-	-	-	-	-	-	-	0	0
Lithuania	-	-	-	-	-	-	-	-	7	7
Malaysia	-	-	-	-	-	0	0	-	1	1
Mexico	578	2	-131	-11	-	-345	-345	0	-44	-44
Netherlands	-71	-1	-57	-7	-	-4	-4	11	21	33
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-
Norway	17	3	-37	19	-	2	2	8	13	21
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-4	0	-4	0	-	-31	-31	-	-1	-1
Portugal	-	-	-5	-	-	2	2	2	13	14
Puerto Rico	-	0	0	0	-	0	0	-	0	0
Russia	19	0	-	265	-	0	0	2	39	41
Spain	-10	-	-10	4	-	1	1	1	35	36
Sweden	-	-	3	2	-	1	1	1	7	8
Trinidad and Tobago	3	0	2	6	-	0	0	-	3	3
United Kingdom	-21	0	-31	5	-	8	8	55	23	79
Vietnam	-	-	-	0	-	-	-	0	-	0
Virgin Islands, U.S.	-	-	-2	-	-	-2	-2	-	-1	-1
Yemen	1	-	-	-	-	0	0	-	-	-
Other	-60	6	-161	31	-	-95	-95	1	2	0
Total	7,213	-178	-1,043	349	-	-653	-653	213	289	502
Persian Gulf²	2,018	0	0	10	-	0	0	0	-	0

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	-6	0	-7	-	-	-	-39	-11	-2	-	-51
Algeria	-	-	-	-	-	-	-2	-	-	-	-2
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	0	0	-	-	-	-25	-8	-	-	-33
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	0	-	-	-	0
Kuwait	-	-	0	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-2	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	0	0	0	-	-	-	-	-	-	-	-
United Arab Emirates	-	0	-5	-	-	-	0	-	-	-	0
Venezuela	-6	-	0	-	-	-	-12	-2	-2	-	-16
Non-OPEC	-22	-24	-81	13	11	-	-865	-128	-22	4	-1,010
Argentina	1	0	0	14	-	-	-38	-3	-	-	-41
Aruba	-	-	-	-	-	-	-7	-	-	-	-7
Australia	0	0	0	-	-	-	0	-	0	-	0
Bahamas	-	0	0	-	-	-	-5	0	-4	-	-9
Bahrain	-	-	0	-	-	-	-	-	-	-	-
Belgium	1	0	0	0	-	-	-2	-2	-1	-	-5
Brazil	0	4	-30	-	-	-	-143	-9	-1	-	-153
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-18	0	-	-	84	-15	33	0	103
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	0	-	-	-	0
Colombia	-	0	-1	-	-	-	-26	-	1	-	-25
Denmark	-	-	-	-	-	-	-	-	-	-	-
Dominican Republic	-	-	0	-	-	-	-8	-1	-1	-	-9
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	0	-	-	-	-49	-3	-3	1	-54
Germany	1	0	0	0	-	-	0	-	-	-	0
Guatemala	-	0	0	-	-	-	-26	-11	-	-	-37
Honduras	-	-	-	-	-	-	-8	-4	0	-	-12
India	-	0	-14	-	-	-	19	-	-	-	19
Indonesia	-	0	-	-	-	-	-	-	-	-	-
Italy	-	0	0	0	-	-	-1	0	-	-	-1
Japan	-	-28	0	-	-	-	0	-	-	-	0
Korea, South	-	0	-2	-	-	-	0	-	-	-	0
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	0	-	-	-	0	-	-9	-	-9
Mexico	-24	0	-2	0	-	-	-214	-4	0	-	-218
Netherlands	6	0	-1	0	-	-	-47	-12	-4	-	-63
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	0	-	-	-	0	-	-	-	0
Oman	-	-	-	-	-	-	0	-	-	-	0
Panama	-	-	0	-	-	-	-37	-11	-2	-	-49
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	-1	-	-	-	0	0	0	-	0
Russia	-	0	-	-	-	-	-	-	2	3	5
Spain	-	-	-	0	-	-	-9	-	-	-	-9
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	0	0	-	-	-	0	-	3	-	3
United Kingdom	-	0	0	-	-	-	-45	0	-	-	-45
Vietnam	-	0	-	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	-	-	0	-	-	-	-15	-3	-8	-	-25
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-7	0	-12	-1	11	-	-288	-50	-28	0	-369
Total	-28	-24	-88	13	11	-	-904	-139	-24	4	-1,061
Persian Gulf²	0	0	-5	-	-	-	0	-	-	-	0

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	12	0	4	-	-
Algeria	-	-	-	-	-	3	-	-
Angola	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-1	-	-13	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	-	-	-
Kuwait	-	-	-	0	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-
Saudi Arabia	0	-	-	0	0	0	-	-
United Arab Emirates	0	-	-	-	-	-3	-	-
Venezuela	-	-	-	13	-	16	-	-
Non-OPEC	-1	0	-	-53	13	-110	33	10
Argentina	-	-	-	-3	-	3	-	2
Aruba	0	-	-	-1	-	-2	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-1	-	-2	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	1	-	-
Brazil	0	-	-	-8	0	2	-	-
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	0	0	-	-26	4	-3	3	2
Chad	-	-	-	-	-	-	-	-
China	1	-	-	11	-	-2	-	-
Colombia	0	-	-	-5	-	7	4	-
Denmark	-	-	-	-2	-	-	-	-
Dominican Republic	0	-	-	-7	-	-2	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	0	-	-	-3	-	-	-	-
France	-	-	-	-3	0	-	-	1
Germany	0	-	-	-	0	0	-	-
Guatemala	0	-	-	-3	-	-5	-	-
Honduras	0	-	-	-2	-	-10	-	-
India	-	-	-	7	-	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	3	-	-
Japan	-	-	-	13	3	0	1	-
Korea, South	0	-	-	88	2	0	0	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	0	-	-	0	-	-	-	-
Mexico	0	-	-	-38	3	28	10	-
Netherlands	0	0	-	-3	0	0	1	-
Netherlands Antilles	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	5
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-15	-	-10	-	-
Portugal	-	-	-	-	0	-	-	-
Puerto Rico	0	-	-	0	-	-	-	-
Russia	0	-	-	0	-	8	-	-
Spain	-	-	-	-	-	0	-	-
Sweden	0	-	-	0	-	2	-	-
Trinidad and Tobago	0	-	-	0	-	14	-	-
United Kingdom	-	-	-	-5	-	0	3	-
Vietnam	0	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	-2	-	-8	-	-
Yemen	-	-	-	-	-	-	-	-
Other	-2	0	-	-45	1	-134	11	0
Total	-1	0	-	-41	13	-106	33	10
Persian Gulf²	0	-	-	0	0	-3	-	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-April 2017
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-5	2	-7	0	24	3,435
Algeria	—	—	0	0	—	128	201
Angola	—	—	—	0	—	9	74
Ecuador	0	-5	0	-2	0	-102	112
Gabon	—	—	—	0	—	0	0
Iran	—	—	—	—	—	—	—
Iraq	—	—	0	0	—	5	600
Kuwait	0	0	0	0	—	0	167
Libya	—	—	—	0	—	9	32
Nigeria	—	—	—	-2	—	7	300
Qatar	0	0	—	4	—	4	4
Saudi Arabia	0	-1	0	0	0	-2	1,249
United Arab Emirates	0	0	0	-1	—	-4	1
Venezuela	0	1	2	-6	0	-30	694
Non-OPEC	0	-602	18	-69	-2	-2,979	824
Argentina	0	2	0	-1	0	-28	-32
Aruba	—	—	0	0	—	-56	-56
Australia	0	-6	0	0	0	-17	-18
Bahamas	—	—	0	-3	—	-24	-28
Bahrain	0	—	—	3	—	3	3
Belgium	0	-4	0	-9	0	33	33
Brazil	0	-45	0	-8	0	-316	-117
Brunei	—	0	—	0	—	0	0
Cameroon	—	—	0	0	—	2	2
Canada	-1	-15	24	2	0	132	3,327
Chad	—	—	—	0	—	0	15
China	1	-69	0	-4	0	-236	-443
Colombia	0	0	0	-4	0	-93	228
Denmark	—	-3	0	0	—	-4	-10
Dominican Republic	0	-1	-1	-1	0	-73	-79
Equatorial Guinea	—	—	—	0	—	0	0
Estonia	0	—	—	0	—	0	0
Finland	0	-2	0	0	—	5	5
France	0	-4	0	-1	—	-63	-84
Germany	0	0	0	-1	0	4	4
Guatemala	0	-7	0	-1	—	-103	-94
Honduras	0	-4	0	0	—	-55	-55
India	0	-88	0	-5	0	-84	-96
Indonesia	0	0	0	2	0	-12	-12
Italy	0	-14	0	0	0	-1	-50
Japan	0	-54	0	-1	0	-293	-332
Korea, South	0	-12	0	11	0	-17	-52
Latvia	0	—	—	0	—	0	0
Lithuania	0	—	—	0	—	7	7
Malaysia	0	-4	1	0	0	-11	-11
Mexico	-1	-66	-3	-16	0	-857	-279
Netherlands	0	-7	0	-2	0	-103	-174
Netherlands Antilles	—	—	—	—	—	—	—
Norway	0	-3	0	0	—	10	27
Oman	0	-2	0	0	—	-2	-2
Panama	0	—	-1	-1	-1	-114	-117
Portugal	0	-4	—	0	—	8	8
Puerto Rico	0	—	0	0	0	-2	-2
Russia	0	0	0	0	—	320	339
Spain	0	-24	4	0	0	2	-9
Sweden	0	0	—	0	0	17	17
Trinidad and Tobago	0	0	0	0	0	28	31
United Kingdom	0	-1	0	0	0	13	-8
Vietnam	0	-5	0	-1	0	-5	-5
Virgin Islands, U.S.	—	—	0	0	—	-41	-41
Yemen	—	—	—	0	—	0	1
Other	1	-160	-6	-28	-1	-953	-1,017
Total	0	-607	20	-77	-2	-2,955	4,258
Persian Gulf²	0	-1	0	6	0	7	2,025

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2017
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	17,348	158,807	959,312	24,527	52,627	1,212,621
Refinery	11,128	14,578	47,981	2,767	23,281	99,735
Tank Farms and Pipelines (Includes Cushing, OK)	6,220	144,229	222,544	21,760	24,062	418,815
Cushing, Oklahoma	—	66,920	—	—	—	66,920
Leases ¹	—	—	—	—	—	—
Strategic Petroleum Reserve ²	—	—	688,787	—	—	688,787
Alaskan In Transit	—	—	—	—	5,284	5,284
Total Stocks, All Oils (excluding Crude Oil)³	177,376	179,016	351,489	22,315	90,609	820,805
Refinery	18,808	51,075	121,183	11,548	51,598	254,212
Bulk Terminal	128,026	91,027	178,577	6,658	33,421	437,709
Pipeline	30,271	35,761	48,627	3,960	5,391	124,010
Natural Gas Processing Plant	271	1,153	3,102	149	199	4,874
Pentanes Plus	148	9,839	10,168	318	45	20,518
Refinery	—	449	495	23	—	967
Bulk Terminal	70	1,486	7,699	6	6	9,267
Pipeline	11	7,730	1,784	250	—	9,775
Natural Gas Processing Plant	67	174	190	39	39	509
Liquefied Petroleum Gases	4,564	27,699	100,101	2,564	2,748	137,676
Refinery	735	3,907	7,900	397	1,438	14,377
Bulk Terminal	2,898	15,229	76,328	422	1,150	96,027
Pipeline	727	7,584	12,961	1,635	—	22,907
Natural Gas Processing Plant	204	979	2,912	110	160	4,365
Ethane/Ethylene	364	5,919	49,682	459	—	56,424
Refinery	—	—	148	—	—	148
Bulk Terminal	168	3,240	44,104	—	—	47,512
Ethylene	—	—	—	—	—	—
Pipeline	196	2,539	4,755	459	—	7,949
Natural Gas Processing Plant	—	140	675	—	—	815
Propane/Propylene	2,705	12,385	26,197	940	659	42,886
Refinery	177	1,298	1,405	57	130	3,067
Bulk Terminal	1,873	7,355	17,512	72	491	27,303
Nonfuel Use	—	18	3,094	—	—	3,112
Pipeline	514	3,199	6,162	743	—	10,618
Natural Gas Processing Plant	141	533	1,118	68	38	1,898
Normal Butane/Butylene	1,308	7,327	17,989	915	1,619	29,158
Refinery	398	2,120	4,621	247	847	8,233
Bulk Terminal	857	4,033	11,362	350	659	17,261
Refinery Grade Butane	15	814	2,581	224	33	3,667
Pipeline	6	1,003	1,279	285	—	2,573
Natural Gas Processing Plant	47	171	727	33	113	1,091
Isobutane/Isobutylene	187	2,068	6,233	250	470	9,208
Refinery	160	489	1,726	93	461	2,929
Bulk Terminal	—	601	3,350	—	—	3,951
Pipeline	11	843	765	148	—	1,767
Natural Gas Processing Plant	16	135	392	9	9	561
Other Hydrocarbons	—	46	—	—	—	46
Refinery	—	46	—	—	—	46
Oxygenates (excluding Fuel Ethanol)	—	6	1,691	—	—	1,697
Refinery	—	—	—	—	—	—
Bulk Terminal	—	6	1,691	—	—	1,697
Pipeline	—	—	—	—	—	—
MTBE	—	—	1,260	—	—	1,260
Refinery	—	—	—	—	—	—
Bulk Terminal ⁴	—	—	1,260	—	—	1,260
Pipeline	—	—	—	—	—	—
Other Oxygenates⁵	—	6	431	—	—	437
Refinery	—	—	—	—	—	—
Bulk Terminal	—	6	431	—	—	437
Pipeline	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	10,195	9,617	6,308	310	3,818	30,248
Refinery	184	116	367	86	391	1,144
Bulk Terminal	10,011	9,501	5,941	220	3,427	29,100
Pipeline	—	—	—	4	—	4
Fuel Ethanol³	8,210	8,567	4,146	297	2,373	23,593
Refinery	180	87	185	74	33	559
Bulk Terminal	8,030	8,480	3,961	219	2,340	23,030
Pipeline	—	—	—	4	—	4
Renewable Diesel Fuel	1,985	1,050	2,159	13	1,415	6,622
Refinery	4	29	182	12	328	555
Bulk Terminal	1,981	1,021	1,977	1	1,087	6,067
Pipeline	—	—	—	—	—	—
Other Renewable Fuels	—	—	3	—	30	33
Refinery	—	—	—	—	30	30
Bulk Terminal	—	—	3	—	—	3
Pipeline	—	—	—	—	—	—

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2017
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Unfinished Oils	5,778	13,542	47,237	3,171	20,714	90,442
Naphthas and Lighter	1,570	3,527	12,286	762	3,673	21,818
Refinery	1,564	3,511	10,558	762	3,244	19,639
Bulk Terminal	6	16	1,728	—	429	2,179
Kerosene and Light Gas Oils	567	2,720	7,927	567	3,890	15,671
Refinery	567	2,716	7,864	567	3,757	15,471
Bulk Terminal	—	4	63	—	133	200
Heavy Gas Oils	2,751	4,709	21,422	1,432	10,600	40,914
Refinery	2,750	4,699	17,985	1,432	10,352	37,218
Bulk Terminal	1	10	3,437	—	248	3,696
Residuum	890	2,586	5,602	410	2,551	12,039
Refinery	890	2,366	5,602	410	2,551	11,819
Bulk Terminal	—	220	—	—	—	220
Motor Gasoline Blending Components³	64,192	50,609	72,700	6,095	28,291	221,887
Refinery	5,533	14,468	26,813	3,429	14,086	64,329
Bulk Terminal	46,003	26,838	29,510	1,889	11,900	116,140
Pipeline	12,656	9,303	16,377	777	2,305	41,418
Reformulated - RBOB	21,697	6,049	11,071	—	14,011	52,828
Refinery	1,348	1,255	2,298	—	4,845	9,746
Bulk Terminal	15,154	3,283	4,546	—	7,682	30,665
Pipeline	5,195	1,511	4,227	—	1,484	12,417
Conventional	42,495	44,560	61,629	6,095	14,280	169,059
Refinery	4,185	13,213	24,515	3,429	9,241	54,583
Bulk Terminal	30,849	23,555	24,964	1,889	4,218	85,475
Pipeline	7,461	7,792	12,150	777	821	29,001
CBOB	28,083	35,963	32,543	4,343	6,896	107,828
Refinery	895	6,601	10,273	1,678	2,394	21,841
Bulk Terminal	19,727	21,886	10,282	1,888	3,681	57,464
Pipeline	7,461	7,476	11,988	777	821	28,523
GTAB	752	—	—	—	—	752
Refinery	—	—	—	—	—	—
Bulk Terminal	752	—	—	—	—	752
Pipeline	—	—	—	—	—	—
Other	13,660	8,597	29,086	1,752	7,384	60,479
Refinery	3,290	6,612	14,242	1,751	6,847	32,742
Bulk Terminal	10,370	1,669	14,682	1	537	27,259
Pipeline	—	316	162	—	—	478
Aviation Gasoline Blending Components	—	—	13	—	—	13
Refinery	—	—	13	—	—	13
Bulk Terminal	—	—	—	—	—	—
Finished Motor Gasoline	4,079	6,196	7,892	1,714	1,947	21,828
Refinery	38	1,357	3,555	768	690	6,408
Bulk Terminal	1,536	2,559	2,728	652	1,157	8,632
Pipeline	2,505	2,280	1,609	294	100	6,788
Reformulated	29	—	—	—	17	46
Refinery	—	—	—	—	17	17
Bulk Terminal	29	—	—	—	—	29
Pipeline	—	—	—	—	—	—
Reformulated (Blended with Fuel Ethanol)	29	—	—	—	17	46
Refinery	—	—	—	—	17	17
Bulk Terminal	29	—	—	—	—	29
Pipeline	—	—	—	—	—	—
Reformulated (Other)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional	4,050	6,196	7,892	1,714	1,930	21,782
Refinery	38	1,357	3,555	768	673	6,391
Bulk Terminal	1,507	2,559	2,728	652	1,157	8,603
Pipeline	2,505	2,280	1,609	294	100	6,788
Conventional (Blended with Fuel Ethanol)	38	158	—	58	—	254
Refinery	—	—	—	57	—	57
Bulk Terminal	38	158	—	1	—	197
Pipeline	—	—	—	—	—	—
Ed55 and Lower	38	158	—	58	—	254
Refinery	—	—	—	57	—	57
Bulk Terminal	38	158	—	1	—	197
Pipeline	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional (Other)	4,012	6,038	7,892	1,656	1,930	21,528
Refinery	38	1,357	3,555	711	673	6,334
Bulk Terminal	1,469	2,401	2,728	651	1,157	8,406
Pipeline	2,505	2,280	1,609	294	100	6,788

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, April 2017
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Finished Aviation Gasoline	146	212	465	7	184	1,014
Refinery	—	88	389	7	97	581
Bulk Terminal	146	124	76	—	87	433
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	12,267	7,648	13,922	740	9,969	44,546
Refinery	664	2,024	5,792	341	3,868	12,689
Bulk Terminal	5,755	3,738	3,784	288	5,070	18,635
Pipeline	5,848	1,886	4,346	111	1,031	13,222
Kerosene	1,789	144	159	2	12	2,106
Refinery	143	119	150	2	1	415
Bulk Terminal	1,646	25	2	—	11	1,684
Pipeline	—	—	7	—	—	7
Distillate Fuel Oil⁵	55,614	35,094	46,419	4,423	13,090	154,640
Refinery	2,633	7,116	15,304	1,961	5,189	32,203
Bulk Terminal	44,457	21,000	19,582	1,573	5,952	92,564
Pipeline	8,524	6,978	11,533	889	1,949	29,873
15 ppm sulfur and Under	47,214	34,387	40,744	4,143	11,792	138,280
Refinery	1,685	6,677	13,040	1,729	4,252	27,383
Bulk Terminal	38,076	20,896	17,110	1,527	5,796	83,405
Pipeline	7,453	6,814	10,594	887	1,744	27,492
Greater than 15 ppm to 500 ppm sulfur	3,793	378	1,596	234	404	6,405
Refinery	191	120	726	186	343	1,566
Bulk Terminal	3,381	94	461	46	61	4,043
Pipeline	221	164	409	2	—	796
Greater than 500 ppm sulfur	4,607	329	4,079	46	894	9,955
Refinery	757	319	1,538	46	594	3,254
Bulk Terminal	3,000	10	2,011	—	95	5,116
Pipeline	850	—	530	—	205	1,585
Residual Fuel Oil⁶	8,807	1,454	24,320	286	4,956	39,823
Refinery	604	1,132	3,902	286	2,884	8,808
Bulk Terminal	8,203	322	20,418	—	2,066	31,009
Pipeline	—	—	—	—	6	6
Less than 0.31% Sulfur	1,172	94	1,520	45	231	3,062
Refinery	194	94	176	45	—	509
Bulk Terminal	978	—	1,344	—	231	2,553
0.31% to 1.00% Sulfur	1,856	276	6,450	13	619	9,214
Refinery	53	138	302	13	406	912
Bulk Terminal	1,803	138	6,148	—	213	8,302
Greater than 1.00% Percent Sulfur	5,779	1,084	16,350	228	4,100	27,541
Refinery	357	900	3,424	228	2,478	7,387
Bulk Terminal	5,422	184	12,926	—	1,622	20,154
Petrochemical Feedstocks	165	692	2,264	—	2	3,123
Refinery	165	692	2,264	—	2	3,123
Naphtha for Petrochemical Feedstock Use	165	542	1,342	—	2	2,051
Other Oils for Petrochemical Feedstock Use	—	150	922	—	—	1,072
Special Naphthas	19	102	903	—	59	1,083
Refinery	13	52	797	—	59	921
Bulk Terminal	6	50	106	—	—	162
Lubricants	943	554	6,403	—	958	8,858
Refinery	472	130	3,840	—	699	5,141
Bulk Terminal	471	424	2,563	—	259	3,717
Waxes	380	39	265	—	—	684
Refinery	380	39	265	—	—	684
Petroleum Coke	—	901	4,209	137	1,361	6,608
Refinery	—	901	4,209	137	1,361	6,608
Asphalt and Road Oil	8,256	14,503	5,589	2,526	2,348	33,222
Refinery	1,439	5,028	2,668	918	822	10,875
Bulk Terminal	6,817	9,475	2,921	1,608	1,526	22,347
Miscellaneous Products	34	119	461	22	107	743
Refinery	34	119	451	22	107	733
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	10	—	—	10
Total Stocks, All Oils	194,724	337,823	1,310,801	46,842	143,236	2,033,426

— = No Data Reported.

¹ Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

² Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

³ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Includes stocks held at fuel ethanol production facilities.

⁴ Includes stocks held by merchant producers.

⁵ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

⁶ Sulfur content not available for stocks held by pipelines.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, April 2017
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	29	1,545	1,574	16,502	35,034	51,536	1,789
Connecticut	—	—	—	1,123	—	1,123	252
Delaware	—	—	—	676	782	1,458	130
District of Columbia	—	—	—	—	—	—	—
Florida	—	660	660	—	6,291	6,291	—
Georgia	—	237	237	—	2,733	2,733	—
Maine	—	—	—	370	286	656	89
Maryland	—	—	—	1,164	95	1,259	55
Massachusetts	5	—	5	1,516	83	1,599	16
New Hampshire	—	—	—	—	—	—	7
New Jersey	—	184	184	7,364	12,619	19,983	22
New York	24	—	24	927	2,233	3,160	448
North Carolina	—	118	118	—	2,608	2,608	274
Pennsylvania	—	16	16	1,220	4,353	5,573	136
Rhode Island	—	—	—	521	—	521	—
South Carolina	—	179	179	—	1,332	1,332	28
Vermont	—	38	38	—	—	—	4
Virginia	—	79	79	1,621	1,465	3,086	328
West Virginia	—	34	34	—	154	154	—
PAD District 2	—	3,916	3,916	4,538	36,768	41,306	144
Illinois	—	326	326	2,420	4,653	7,073	118
Indiana	—	306	306	894	5,228	6,122	—
Iowa	—	139	139	—	2,090	2,090	—
Kansas	—	363	363	—	4,049	4,049	15
Kentucky	—	279	279	455	970	1,425	8
Michigan	—	255	255	50	2,674	2,724	—
Minnesota	—	451	451	18	2,418	2,436	—
Missouri	—	171	171	238	848	1,086	—
Nebraska	—	64	64	—	947	947	—
North Dakota	—	72	72	—	745	745	—
Ohio	—	787	787	10	4,137	4,147	—
Oklahoma	—	402	402	—	3,473	3,473	3
South Dakota	—	27	27	—	524	524	—
Tennessee	—	118	118	—	2,005	2,005	—
Wisconsin	—	156	156	453	2,007	2,460	—
PAD District 3	—	6,283	6,283	6,844	49,479	56,323	152
Alabama	—	170	170	—	1,308	1,308	3
Arkansas	—	139	139	—	678	678	—
Louisiana	—	959	959	768	11,138	11,906	121
Mississippi	—	1,133	1,133	206	1,847	2,053	—
New Mexico	—	88	88	—	514	514	—
Texas	—	3,794	3,794	5,870	33,994	39,864	28
PAD District 4	—	1,420	1,420	—	5,318	5,318	2
Colorado	—	239	239	—	1,309	1,309	—
Idaho	—	262	262	—	212	212	—
Montana	—	378	378	—	1,596	1,596	—
Utah	—	164	164	—	1,258	1,258	2
Wyoming	—	377	377	—	943	943	—
PAD District 5	17	1,830	1,847	12,527	13,459	25,986	12
Alaska	—	760	760	—	—	—	11
Arizona	—	99	99	493	339	832	—
California	17	274	291	11,884	7,480	19,364	1
Hawaii	—	1	1	—	794	794	—
Nevada	—	142	142	12	357	369	—
Oregon	—	73	73	—	1,248	1,248	—
Washington	—	481	481	138	3,241	3,379	—
U.S. Total	46	14,994	15,040	40,411	140,058	180,469	2,099

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, April 2017
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane/ Propylene
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	39,761	3,572	3,757	47,090	8,807	2,191
Connecticut	2,118	1,183	148	3,449	7	—
Delaware	381	28	99	508	292	8
District of Columbia	—	—	—	—	—	—
Florida	2,133	60	—	2,193	1,251	108
Georgia	1,615	—	—	1,615	264	14
Maine	970	18	453	1,441	113	—
Maryland	3,510	209	—	3,719	811	3
Massachusetts	751	641	165	1,557	170	—
New Hampshire	331	—	200	531	45	125
New Jersey	13,148	235	1,080	14,463	3,474	148
New York	6,427	116	424	6,967	1,095	229
North Carolina	1,351	—	11	1,362	—	342
Pennsylvania	3,519	194	846	4,559	610	898
Rhode Island	417	576	—	993	1	—
South Carolina	1,005	—	—	1,005	168	232
Vermont	34	—	14	48	—	—
Virginia	1,962	242	317	2,521	506	5
West Virginia	89	70	—	159	—	79
PAD District 2	27,573	214	329	28,116	1,454	9,186
Illinois	3,651	—	—	3,651	454	518
Indiana	4,101	—	149	4,250	68	283
Iowa	2,692	1	—	2,693	2	311
Kansas	2,598	—	—	2,598	34	4,166
Kentucky	858	—	5	863	224	256
Michigan	1,613	53	—	1,666	189	2,550
Minnesota	2,128	6	20	2,154	84	130
Missouri	812	34	5	851	50	134
Nebraska	1,032	—	—	1,032	—	112
North Dakota	1,160	1	—	1,161	98	69
Ohio	1,879	—	28	1,907	152	532
Oklahoma	2,012	50	72	2,134	22	46
South Dakota	580	—	—	580	—	27
Tennessee	1,031	—	—	1,031	48	6
Wisconsin	1,426	69	50	1,545	29	46
PAD District 3	30,150	1,187	3,549	34,886	24,320	20,035
Alabama	1,116	5	57	1,178	506	31
Arkansas	866	—	28	894	—	70
Louisiana	5,120	763	1,244	7,127	11,070	1,074
Mississippi	1,084	255	156	1,495	38	1,591
New Mexico	280	—	—	280	41	2
Texas	21,684	164	2,064	23,912	12,665	17,267
PAD District 4	3,256	232	46	3,534	286	197
Colorado	521	—	—	521	13	24
Idaho	311	—	—	311	—	—
Montana	1,375	110	—	1,485	94	33
Utah	597	45	46	688	72	88
Wyoming	452	77	—	529	107	52
PAD District 5	10,048	404	689	11,141	4,950	659
Alaska	1,049	—	55	1,104	461	4
Arizona	452	14	—	466	—	304
California	5,615	375	305	6,295	2,866	180
Hawaii	241	—	322	563	805	82
Nevada	306	—	7	313	—	—
Oregon	755	—	—	755	7	—
Washington	1,630	15	—	1,645	811	89
U.S. Total	110,788	5,609	8,370	124,767	39,817	32,268

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, April 2017
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	240	74	0	2,938	37,442	8,075	2,969	156	29,347
Petroleum Products	14,540	260	0	13,219	31,679	6,952	4,579	102,027	18,854
Pentanes Plus	10	0	—	0	1,243	318	—	0	6,026
Liquefied Petroleum Gases	4,669	260	0	2,428	21,347	3,589	555	816	1,971
Unfinished Oils	48	0	—	0	323	—	—	0	357
Motor Gasoline Blending Components	6,851	0	0	1,340	1,682	1,088	0	54,143	5,347
Reformulated - RBOB	0	0	0	246	195	—	0	7,071	1,538
Conventional	6,851	0	0	1,094	1,487	1,088	0	47,072	3,809
CBOB	6,851	0	0	1,094	1,388	1,088	0	46,813	3,145
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	—	0	99	—	—	259	664
Renewable Fuels	0	0	0	8,338	4,883	—	0	229	0
Fuel Ethanol	0	0	0	8,303	4,762	346	3,835	205	0
Renewable Diesel Fuel ²	0	0	0	35	121	18	190	24	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	116	0	0	148	236	132	0	7,476	762
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	116	0	0	148	236	132	0	7,476	762
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	116	0	0	148	236	132	0	7,476	762
Finished Aviation Gasoline	0	0	—	0	0	—	—	1,282	77
Kerosene-Type Jet Fuel	229	0	0	111	30	749	0	13,738	1,339
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	2,580	0	0	804	1,036	712	0	23,412	2,582
15 ppm sulfur and under	2,580	0	0	804	1,036	712	0	21,340	2,442
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—	—	386	95
Greater than 500 ppm sulfur	0	0	—	0	0	0	—	1,686	45
Residual Fuel Oil	0	0	—	0	641	—	—	129	36
Petrochemical Feedstocks	37	0	—	0	143	—	—	0	0
Naphtha for Petrochemical Feedstock Use	0	0	—	—	97	—	—	—	0
Other Oils for Petrochemical Feedstock Use	37	0	—	0	46	—	—	0	0
Special Naphthas	0	0	—	—	0	—	—	—	19
Lubricants	0	0	0	0	0	—	0	494	212
Waxes	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	0	0	—	50	115	—	—	308	106
Miscellaneous Products	0	0	—	—	0	—	—	—	20
Total	14,780	334	0	16,157	69,121	15,027	7,548	102,183	48,201

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, April 2017
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	77	0	19,162	635	74	0	0	0
Petroleum Products	0	4,963	0	7,787	7,432	1,999	0	121	0
Pentanes Plus	0	—	0	700	980	—	0	0	0
Liquefied Petroleum Gases	0	62	0	6,102	6,452	183	0	0	0
Unfinished Oils	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components	0	3,699	0	343	0	1,242	0	0	0
Reformulated - RBOB	—	2,319	0	0	0	0	0	0	—
Conventional	0	1,380	0	343	0	1,242	0	0	0
CBOB	0	1,380	0	343	0	1,242	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	0	0	0	—	0	0	—
Renewable Fuels	—	400	0	0	0	0	0	0	—
Fuel Ethanol	0	348	0	0	0	0	0	0	0
Renewable Diesel Fuel ²	0	52	0	0	0	0	0	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	296	0	285	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	296	0	285	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	296	0	285	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	323	0	24	0	0	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	0	479	0	322	0	289	0	0	0
15 ppm sulfur and under	0	479	0	259	0	289	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	—	0	63	0	—	0	0	0
Residual Fuel Oil	—	—	0	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	0	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—	—	0	—
Other Oils for Petrochemical Feedstock Use	—	—	0	0	0	—	0	0	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	0	0	0	0	0	0	121	—
Waxes	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	—	—	0	0	0	—	0	0	—
Miscellaneous Products	—	—	—	0	0	—	—	0	—
Total	0	5,039	0	26,949	8,067	2,073	0	121	0

— = No Data Reported.

¹ Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 2017
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	58	74	122	35,869	8,075	156	29,347	0	-
Petroleum Products	14,033	0	2,377	22,651	6,588	80,183	17,072	0	4,501
Pentanes Plus	10	0	0	1,243	318	0	6,026	0	-
Liquefied Petroleum Gases	4,267	0	933	18,874	3,589	723	1,797	0	-
Motor Gasoline Blending Components	6,844	0	695	1,331	1,088	43,554	4,960	0	3,699
Reformulated - RBOB	0	0	0	195	-	7,071	1,538	-	2,319
Conventional	6,844	0	695	1,136	1,088	36,483	3,422	0	1,380
CBOB	6,844	0	695	1,136	1,088	36,483	3,095	0	1,380
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	327	-	-
Renewable Fuels	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	114	0	115	137	132	2,578	656	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	114	0	115	137	132	2,578	656	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	114	0	115	137	132	2,578	656	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	218	0	111	30	749	12,422	1,339	0	323
Kerosene	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil	2,580	0	523	1,036	712	20,906	2,294	0	479
15 ppm sulfur and under	2,580	0	523	1,036	712	18,834	2,243	0	479
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	-	386	51	-	-
Greater than 500 ppm sulfur	0	0	0	0	0	1,686	0	0	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total	14,091	74	2,499	58,520	14,663	80,339	46,419	0	4,501

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, April 2017
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	19,162	339	—	0	0
Petroleum Products	0	7,787	7,432	1,816	0	0
Pentanes Plus	0	700	980	—	0	0
Liquefied Petroleum Gases	0	6,102	6,452	—	0	0
Motor Gasoline Blending Components	0	343	0	1,242	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	343	0	1,242	0	0
CBOB	0	343	0	1,242	0	0
GTAB	—	—	—	—	—	—
Other	—	0	0	—	0	—
Renewable Fuels	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Renewable Diesel Fuel ¹	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—
Finished Motor Gasoline	0	296	0	285	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	296	0	285	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	296	0	285	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	24	0	0	0	0
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	322	0	289	0	0
15 ppm sulfur and under	0	259	0	289	0	0
Greater than 15 ppm to 500 ppm sulfur	0	0	0	—	0	—
Greater than 500 ppm sulfur	0	63	0	—	0	0
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	—	—	—	—	—	—
Total	0	26,949	7,771	1,816	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 2017
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	182	0	—	72	557	—
Petroleum Products	105	0	0	1,009	2,338	0
Liquefied Petroleum Gases	—	0	—	0	0	—
Unfinished Oils	48	0	—	0	323	—
Motor Gasoline Blending Components	7	0	—	645	351	—
Reformulated - RBOB	0	—	—	246	—	—
Conventional	7	0	—	399	351	—
CBOB	7	0	—	399	252	—
GTAB	—	—	—	—	—	—
Other	0	0	—	0	99	—
Renewable Fuels	0	0	—	0	666	—
Fuel Ethanol	0	0	—	0	666	—
Renewable Diesel Fuel ¹	—	0	0	—	0	0
Other Renewable Fuels	—	—	—	—	—	—
Finished Motor Gasoline	2	0	—	33	99	—
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	2	0	—	33	99	—
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	2	0	—	33	99	—
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	11	0	—	0	0	—
Kerosene	—	—	—	—	—	—
Distillate Fuel Oil	0	0	—	281	0	—
15 ppm sulfur and under	0	0	—	281	0	—
Greater than 15 ppm to 500 ppm sulfur	0	0	—	—	0	—
Greater than 500 ppm sulfur	0	0	—	—	0	—
Residual Fuel Oil	0	0	—	0	641	—
Less than 0.31 percent sulfur	0	0	—	—	66	—
0.31 to 1.00 percent sulfur	—	—	—	—	—	—
Greater than 1.00 percent sulfur	0	0	—	0	575	—
Petrochemical Feedstocks	37	0	—	0	143	—
Naphtha for Petrochemical Feedstock Use	0	0	—	—	97	—
Other Oils for Petrochemical Feedstock Use	37	0	—	0	46	—
Special Naphthas	0	0	—	—	0	—
Lubricants	0	0	0	0	0	0
Waxes	—	—	—	—	—	—
Asphalt and Road Oil	0	0	—	50	115	—
Miscellaneous Products	0	0	—	—	0	—
Total	287	0	0	1,081	2,895	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, April 2017
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	0	—	—	—	0	—	0	0	0
Petroleum Products	21,755	—	394	21,361	1,608	28	0	0	121
Liquefied Petroleum Gases	28	—	—	28	—	—	0	—	0
Unfinished Oils	0	—	—	—	357	—	0	0	0
Motor Gasoline Blending Components	10,589	—	169	10,420	387	—	0	0	0
Reformulated - RBOB	0	—	—	—	0	—	0	0	—
Conventional	10,589	—	169	10,420	387	—	0	0	0
CBOB	10,330	—	—	10,330	50	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	259	—	169	90	337	—	0	0	0
Renewable Fuels	205	—	—	205	0	—	0	0	0
Fuel Ethanol	205	—	—	205	0	—	0	0	0
Renewable Diesel Fuel ¹	—	—	—	—	—	28	—	—	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	4,898	—	—	4,898	106	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	4,898	—	—	4,898	106	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	4,898	—	—	4,898	106	—	0	0	0
Finished Aviation Gasoline	1,282	—	—	1,282	77	—	0	0	0
Kerosene-Type Jet Fuel	1,316	—	—	1,316	0	—	0	0	0
Kerosene	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil	2,506	—	—	2,506	288	—	0	0	0
15 ppm sulfur and under	2,506	—	—	2,506	199	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	44	—	—	0	0
Greater than 500 ppm sulfur	—	—	—	—	45	—	—	0	0
Residual Fuel Oil	129	—	—	129	36	—	0	0	0
Less than 0.31 percent sulfur	—	—	—	—	36	—	—	0	0
0.31 to 1.00 percent sulfur	—	—	—	—	—	—	—	—	—
Greater than 1.00 percent sulfur	129	—	—	129	0	—	0	0	0
Petrochemical Feedstocks	0	—	—	—	0	—	0	0	0
Naphtha for Petrochemical Feedstock Use	—	—	—	—	0	—	—	0	0
Other Oils for Petrochemical Feedstock Use	0	—	—	—	0	—	0	0	0
Special Naphthas	—	—	—	—	19	—	—	0	0
Lubricants	494	—	225	269	212	0	0	0	121
Waxes	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	308	—	—	308	106	—	0	0	0
Miscellaneous Products	—	—	—	—	20	—	—	0	0
Total	21,755	—	394	21,361	1,608	28	0	0	121

— = No Data Reported.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, April 2017
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	0	0	2,744	1,016	0	2,969
Propane	105	196	0	0	775	1,583	0	281
Propylene	0	0	–	–	139	623	–	–
Normal Butane	223	48	0	0	363	221	0	212
Isobutane	74	16	0	0	218	46	0	62
Fuel Ethanol	0	0	0	0	8,303	4,096	346	3,835
Biodiesel	0	0	0	0	35	121	18	190

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	0	77	0	0	296	74
Propane	29	70	0	0	0	0	0	131
Propylene	0	0	–	–	0	0	0	–
Normal Butane	34	29	0	33	0	0	0	34
Isobutane	2	75	0	29	0	0	0	18
Fuel Ethanol	0	0	0	348	0	0	0	0
Biodiesel	24	0	0	24	0	0	0	0

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	0
Propane	0	0	0	0
Propylene	0	0	0	–
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	0	0	0	0

– = No Data Reported.

Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, April 2017
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	58	182	0	240
3	74	0	0	74
4	0	—	0	0
5	—	—	0	0
From 2 to				
1	122	72	2,744	2,938
3	35,869	557	1,016	37,442
4	8,075	—	0	8,075
5	—	—	2,969	2,969
From 3 to				
1	156	0	0	156
2	29,347	0	0	29,347
4	0	—	0	0
5	—	—	77	77
From 4 to				
1	0	0	0	0
2	19,162	0	0	19,162
3	339	0	296	635
5	—	—	74	74
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	—	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, April 2017
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	3,094	314	2,780	48,749	51,425	-2,676	38,152	29,580	8,572
Petroleum Products	115,245	14,800	100,445	41,181	56,429	-15,248	39,492	125,843	-86,351
Pentanes Plus	0	10	-10	6,736	1,561	5,175	2,223	6,026	-3,803
Liquefied Petroleum Gases	3,244	4,929	-1,685	12,742	27,919	-15,177	28,059	2,849	25,210
Ethane/Ethylene	45	4,204	-4,159	6,423	9,332	-2,909	10,691	565	10,126
Propane/Propylene	2,582	346	2,236	3,742	13,994	-10,252	13,056	1,563	11,493
Normal Butane/Butylene	397	276	121	1,611	3,514	-1,903	3,213	314	2,899
Isobutane/Isobutylene	220	103	117	966	1,079	-113	1,099	407	692
Unfinished Oils	0	48	-48	405	323	82	323	357	-34
Motor Gasoline Blending Components	55,483	6,851	48,632	12,541	4,110	8,431	1,682	63,189	-61,507
Reformulated - RBOB	7,317	0	7,317	1,538	441	1,097	195	10,928	-10,733
Conventional	48,166	6,851	41,315	11,003	3,669	7,334	1,487	52,261	-50,774
CBOB	47,907	6,851	41,056	10,339	3,570	6,769	1,388	51,338	-49,950
GTAB	0	0	-	-	-	-	-	-	-
Other	259	0	259	664	99	565	99	923	-824
Renewable Fuels	8,566	0	8,566	0	17,609	-17,609	4,883	628	4,255
Fuel Ethanol	8,508	0	8,508	0	17,245	-17,245	4,762	553	4,209
Renewable Diesel Fuel ¹	59	0	59	0	363	-363	121	75	46
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	7,624	116	7,508	1,174	516	658	236	8,238	-8,002
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	7,624	116	7,508	1,174	516	658	236	8,238	-8,002
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	7,624	116	7,508	1,174	516	658	236	8,238	-8,002
Finished Aviation Gasoline	1,282	0	1,282	77	0	77	0	1,359	-1,359
Kerosene-Type Jet Fuel	13,849	229	13,620	1,592	890	702	30	15,400	-15,370
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	24,216	2,580	21,636	5,484	2,552	2,932	1,036	26,473	-25,437
15 ppm sulfur and under	22,144	2,580	19,564	5,281	2,552	2,729	1,036	24,261	-23,225
Greater than 15 ppm to 500 ppm sulfur	386	0	386	95	0	95	0	481	-481
Greater than 500 ppm sulfur	1,686	0	1,686	108	0	108	0	1,731	-1,731
Residual Fuel Oil	129	0	129	36	641	-605	641	165	476
Petrochemical Feedstocks	0	37	-37	37	143	-106	143	0	143
Naphtha for Petrochemical Feedstock Use	0	0	-	0	97	-97	97	0	97
Other Oils for Petrochemical Feedstock Use	0	37	-37	37	46	-9	46	0	46
Special Naphthas	0	0	-	19	0	19	0	19	-19
Lubricants	494	0	494	212	0	212	121	706	-585
Waxes	0	0	-	0	0	-	0	0	-
Asphalt and Road Oil	358	0	358	106	165	-59	115	414	-299
Miscellaneous Products	0	0	-	20	0	20	0	20	-20
Total	118,340	15,114	103,226	89,930	107,854	-17,924	77,644	155,423	-77,779

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, April 2017
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	8,075	19,871	-11,796	3,120	0	3,120
Petroleum Products	6,952	17,218	-10,266	11,541	121	11,420
Pentanes Plus	318	1,680	-1,362	0	0	—
Liquefied Petroleum Gases	3,589	12,737	-9,148	800	0	800
Ethane/Ethylene	926	3,984	-3,058	0	0	—
Propane/Propylene	1,705	5,594	-3,889	412	0	412
Normal Butane/Butylene	699	2,095	-1,396	279	0	279
Isobutane/Isobutylene	259	1,064	-805	109	0	109
Unfinished Oils	0	0	—	0	0	—
Motor Gasoline Blending Components	1,088	1,585	-497	4,941	0	4,941
Reformulated - RBOB	—	—	—	2,319	0	2,319
Conventional	1,088	1,585	-497	2,622	0	2,622
CBOB	1,088	1,585	-497	2,622	0	2,622
GTAB	—	—	—	—	—	—
Other	0	0	—	0	0	—
Renewable Fuels	364	0	364	4,424	0	4,424
Fuel Ethanol	346	0	346	4,182	0	4,182
Renewable Diesel Fuel ¹	18	0	18	241	0	241
Other Renewable Fuels	—	—	—	0	0	—
Finished Motor Gasoline	132	581	-449	285	0	285
Reformulated	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol	—	—	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	132	581	-449	285	0	285
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—
Conventional Other	132	581	-449	285	0	285
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	749	24	725	323	0	323
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	712	611	101	768	0	768
15 ppm sulfur and under	712	548	164	768	0	768
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	63	-63	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	121	-121
Waxes	0	0	—	0	0	—
Asphalt and Road Oil	0	0	—	0	0	—
Miscellaneous Products	0	0	—	0	0	—
Total	15,027	37,089	-22,063	14,661	121	14,540

— = No Data Reported.

Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Appendix A

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

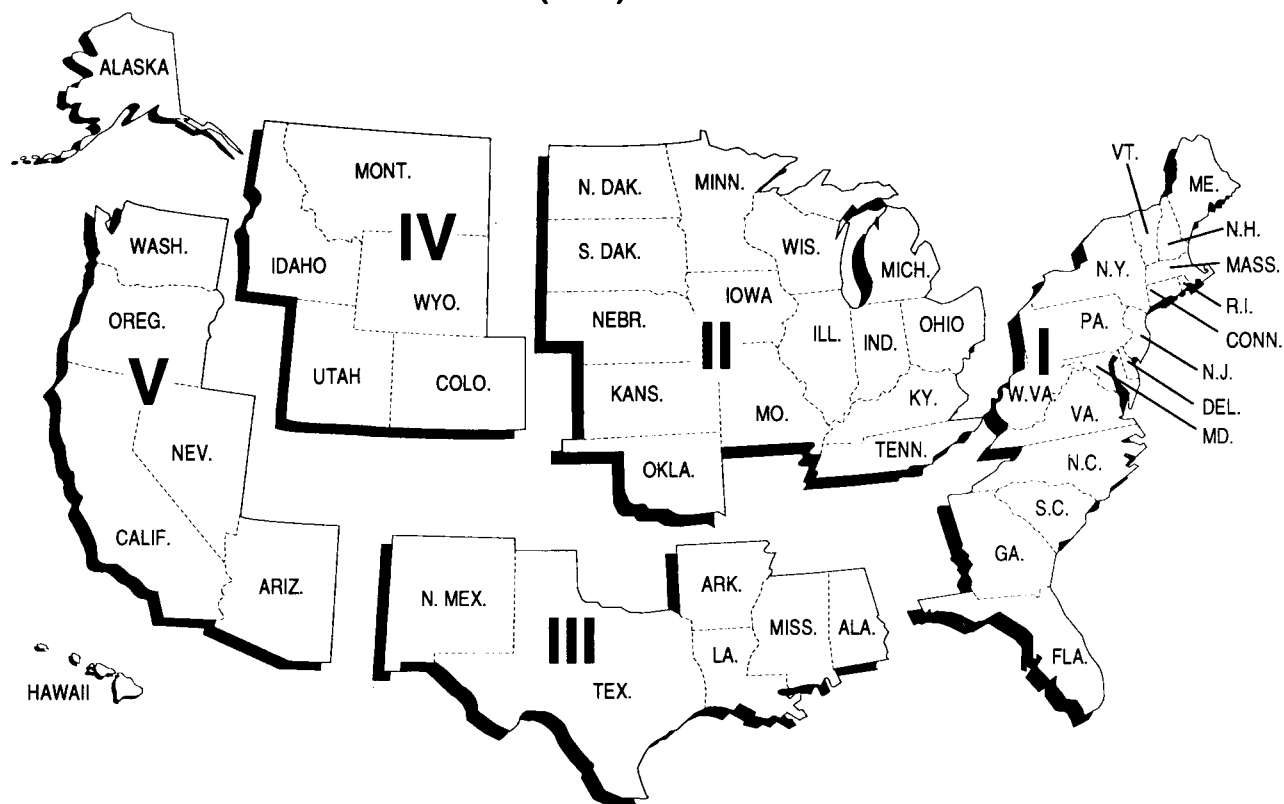
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

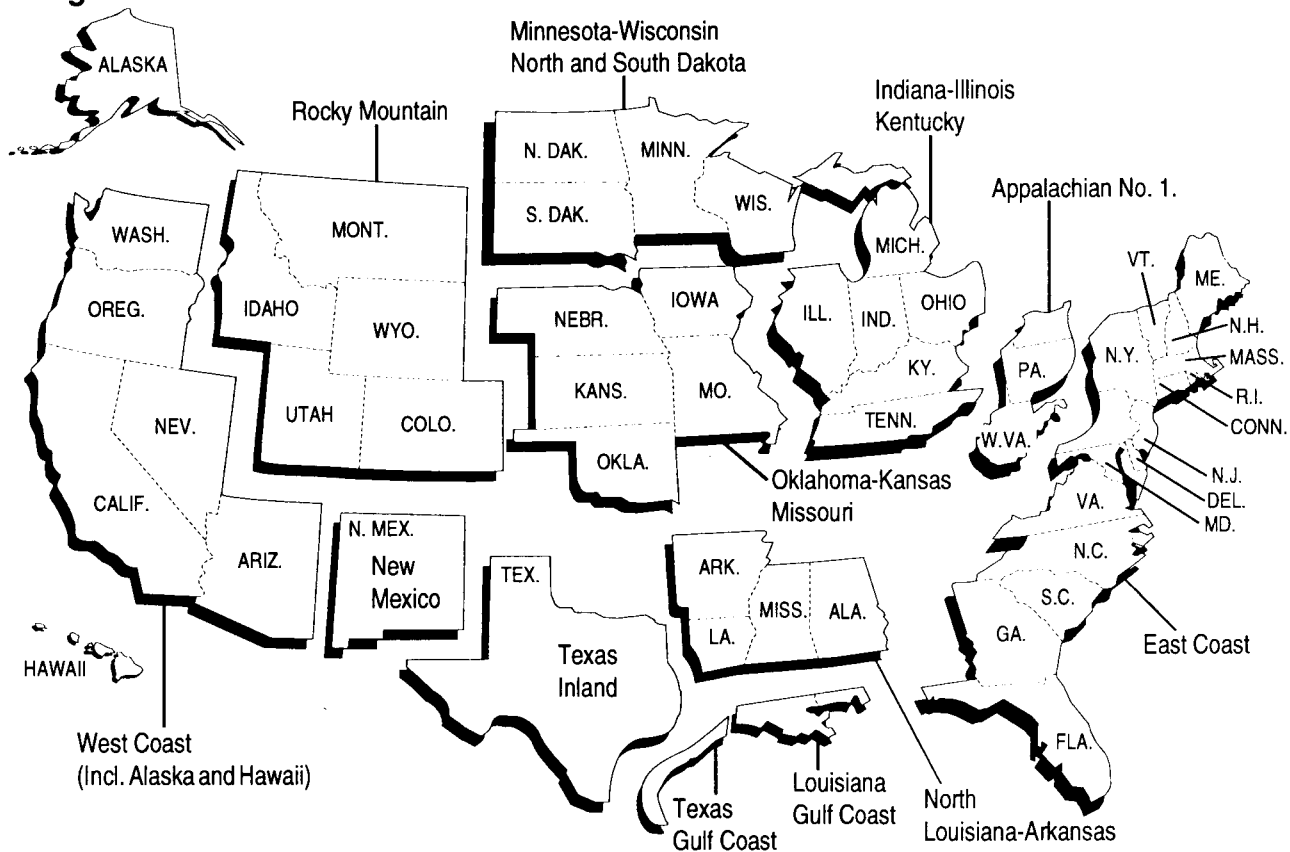
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



PSM Explanatory Notes

Preface

The *Petroleum Supply Monthly (PSM)* is the monthly component of a series of three publications concerning the supply and disposition of crude oil and petroleum products produced by the Petroleum Division of the Energy Information Administration (EIA). The other two components are the *Weekly Petroleum Status Report (WPSR)* and the *Petroleum Supply Annual (PSA)*. Together these publications present a comprehensive snapshot of petroleum supply data on a weekly, monthly and yearly basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply: petroleum refiners, motor gasoline blenders, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

The PSM tables present statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District level, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources.

Final statistics for the data series published in the *PSM* are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.

Appendix B. Explanatory Notes

1. Overview

A. The Energy Information Administration's Quality Guidelines

The data contained in the *Petroleum Supply Monthly (PSM)* are subject to separate information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM are often interpreted as an approximation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum products from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries and blending terminals, gas processing plants and fractionators, oxygenate producers, biodiesel producers, imports, exports, bulk storage terminals, and pipelines. Total product supplied in the PSM at the U.S. level is equal to the sum of field production, plus refinery and blender net production, plus renewable fuels, and oxygenate plant net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports. Net receipts are added as a component of supply at the PAD District level. Crude oil product supplied is normally zero because crude oil is processed in refineries and rarely, if ever, used directly.

The secondary system is that portion of the overall distribution network that falls between producers and end-users. Product typically flows in bulk from the primary supply system into the secondary system before delivery in small quantities to consumers (the tertiary system). The secondary system includes storage at bulk plants; at retail motor fuel outlets, such as service stations, truck stops, and convenience stores; and at retail fuel oil dealers. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, by definition, receive product only by tank car or truck, not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, jet fuel stored in facilities operated by end users, and certain proprietary storage of raw materials (e.g. propane) for the chemical industry.

Data users sometimes consider demand as sales to the ultimate consumer or as the actual consumption of the product. Since there may be time delays between the movement of product into the primary market and its ultimate purchase or consumption, these definitions of demand require data on changes in secondary and/or tertiary stocks or the assumption that these values either remain constant or are small

compared to primary supply. The most recent study of secondary stocks was done by the National Petroleum Council in 1989. This study revealed that secondary distillate stocks were equal to about 6.9 percent of distillate stocks and 6.7 percent of distillate storage capacity.

C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

(1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies and the Mineral Management Service of the U.S. Department of the Interior. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes oxygenates (fuel ethanol, ETBE, MTBE, and other oxygenates) plus negative production of pentanes plus, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants as well as biodiesel. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Form EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender net inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the

same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories or from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 60.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. Adjustment quantities are derived either to balance supply and disposition for selected products or to reclassify one product to another product. Product supplied is the balancing item for most products and is interpreted as an implied measure of petroleum demand. Adjustments are used in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

(2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, liquefied petroleum gases, pentanes plus, hydrogen, oxygenates, renewable fuels, and other hydrocarbons) that are processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Inputs of natural gas plant liquids are refinery input of natural gas liquids received from natural gas plants for blending and processing. Published inputs of natural gas plant liquids are reported on a gross basis.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery input minus refinery production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied value indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, product supplied for crude oil is assumed equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

(3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in Petroleum Navigator were revised beginning with data for January 2005 to exclude lease stocks. Petroleum Navigator data may be accessed from the following locations on the EIA web site.

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm
http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm
http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm

2. Components - Forms Discussions

The data presented in the PSM include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data obtained from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and natural gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the seven weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Terminal Blender Report,"
6. EIA-809, "Weekly Oxygenate Report,"
8. EIA-22M, "Monthly Biodiesel Production Survey,"
9. EIA-810, "Monthly Refinery Report,"
10. EIA-812, "Monthly Product Pipeline Report,"
11. EIA-813, "Monthly Crude Oil Report,"
12. EIA-814, "Monthly Imports Report,"
13. EIA-815, "Monthly Terminal Blender Report,"
14. EIA-816, "Monthly Natural Gas Liquids Report"
15. EIA-817, "Monthly Tanker and Barge Movement Report"
16. EIA-819, "Monthly Oxygenate Report"

17. EIA-820, "Annual Refinery Report."

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, "Annual Refinery Report." The EIA-820 data are published in the annual "Refinery Capacity Report."

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: http://www.eia.doe.gov/oil_gas/petroleum/survey_forms/pet_survey_forms.html

The Form EIA-22M "Monthly Biodiesel Production Survey" collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included. Product pipeline tank storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held at pipeline and tank farms (associated with the pipelines) and terminals operated by the reporting company. Also, crude oil consumed by pipelines and on leases as pump fuel, boiler fuel, etc., is reported. Data are reported on a PAD District basis. Total Alaskan crude oil stocks in-transit by water (including stocks held at transshipment terminals between Alaska and the continental United States) to the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands are also reported by the transporting company having custody of the stocks. Inter-PAD District movements of crude oil by pipeline are collected by the shipping and receiving PAD District. Intermediate movements for pipeline systems operating in more than two PAD Districts

are not included. Crude oil storage capacity of tank farms is collected on a semi-annual basis.

The Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil, unfinished oils, and gasoline blending components only.

The Form EIA-815, “Monthly Terminal Blender Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on a semi-annual basis.

The Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, “Monthly Oxygenate Report” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership. Fuel ethanol storage capacity is collected on a semi-annual basis.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities

currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Terminal Blender Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands,

Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Oxygenate Report” include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

(3.) Collection

Survey data for the MPSRS are collected by facsimile, email, Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies

result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Imputation is performed for companies that fail to file Forms EIA-22M, 810, 812, 813, 815, 816, and 819. For these companies, previous monthly values and values reported on the weekly survey forms are used if available. Data for nonrespondents to the Forms EIA-814 and 817 are not imputed because respondent-level data for these surveys are highly variable.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

(6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, “Comparison of Independent Statistics on Petroleum Supply.” Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

(7.) Dissemination

The *PSM* data are normally released within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available on the web product, Petroleum Navigator. Petroleum Navigator provides an interface for accessing a comprehensive set of EIA’s petroleum data. Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum Navigator can be accessed at: <http://www.eia.gov/petroleum/data.cfm>

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report." For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 "Domestic Crude Oil First Purchase Report." For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, "Production of Crude Oil by PAD District and State." Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum

Navigator and the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a "Shipper's Export Declaration Document" with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA's Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-915 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Once the data necessary for calculating rail movements become available, which may take as long as 60 days after the end of a calendar quarter, EIA will revise the estimates made.

Movements of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane by rail are based on EIA analysis of carload data from the STB CWS. Additional data from the NEB, OGSM, and the EIA-915 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, and isobutane are converted to barrels using data from the CWS.

Carload data from the STB are available approximately 60 days after the end of each quarter. For example, carload data for the first quarter of each year are typically available by about June 1. Therefore, recent-month rail movements reported by EIA in the Petroleum Supply Monthly and Petroleum Navigator are modeled based on historical rail movement averages, medians, or correlations of rail movements derived from actual carload data with other regional supply data collected by EIA or other sources including field production, imports, refinery and blender inputs, movements other than rail, exports, and supply adjustments.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available through Petroleum Navigator on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum Navigator tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the “lease adjustment,” a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the “lease adjustment” could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL Adjustment)

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas

processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and pentanes plus also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each

PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated

to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum

of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of fuel ethanol between PAD Districts, and so allocation of fuel ethanol adjustments to PAD Districts is based on the ratio of fuel ethanol blending reported on surveys in each PAD District divided by fuel ethanol blending reported on surveys for the entire U.S. In this case, Fuel ethanol implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Fuel ethanol implied net receipts are the balancing item between total supply and disposition in each PAD District. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum

supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of biodiesel between PAD Districts, and so allocation of fuel biodiesel adjustments to PAD Districts is based on the ratio of biomass-based diesel blending reported on surveys in each PAD District divided by biomass-based diesel fuel blending reported on surveys for the entire U.S. Biodiesel implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Biodiesel implied net receipts are the balancing item between total supply and disposition in each PAD District. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and to total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol).

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the PSM has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the PSA. These values reflect all PSM resubmissions and other data corrections. The values contained in the PSA are EIA’s most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the Previously published Petroleum Supply Annual every month in the Petroleum Supply Navigator (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in the Petroleum Supply Navigator.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form.

The information reported on Forms EIA-810 through 813, 815 through 817, 819, and 820 will be protected and not disclosed to the

public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data published from this survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
BP Products North America	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	84
Fuel Ethanol	NY	9
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

Definitions of Petroleum Products and Other Terms

(Revised May 2010)

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$ (e.g., methanol, ethanol, and tertiary butyl alcohol).

Alkylate. The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Atmospheric Crude Oil Distillation. The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

Aviation Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

Barrel. A unit of volume equal to 42 U.S. gallons.

Barrels Per Calendar Day. The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

Benzene (C_6H_6). An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

Biomass-Based Diesel Fuel. Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

Blending Components. See *Motor or Aviation Gasoline Blending Components*.

Blending Plant. A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

Bonded Petroleum Imports. Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

BTX. The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

Bulk Station. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

Bulk Terminal. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

Butane (C_4H_{10}). A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Normal Butane (C_4H_{10}). A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

Refinery-Grade Butane (C_4H_{10}). A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

Butylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes.

Captive Refinery Oxygenate Plants. Oxygenate production facilities located within or adjacent to a refinery complex.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

Fresh Feeds. Crude oil or petroleum distillates which are being fed to processing units for the first time.

Recycled Feeds. Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

Low Pressure. A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

High Pressure. A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refinery processing facilities.

Coal. A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Commercial Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Conventional Blendstock for Oxygenate Blending (CBOB). See *Motor Gasoline Blending Components*.

Conventional Gasoline. See *Motor Gasoline (Finished)*.

Crude Oil. A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

Domestic. Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

Crude Oil, Refinery Receipts. Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

Crude Oil Losses. Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

Crude Oil Production. The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

Crude Oil Qualities. Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Desulfurization. The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See *Catalytic Hydrotreating*.

Disposition. The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

No. 1 Distillate. A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 1 Diesel Fuel. A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See *No. 1 Distillate*.

No. 1 Fuel Oil. A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See *No. 1 Distillate*.

No. 2 Distillate. A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 2 Diesel Fuel. A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See *No. 2 Distillate*.

Low Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

High Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

No. 2 Fuel Oil (Heating Oil). A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

No. 4 Fuel. A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

No. 4 Diesel Fuel. See **No. 4 Fuel**.

No. 4 Fuel Oil. See **No. 4 Fuel**.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ending Stocks. Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

ETBE (Ethyl tertiary butyl ether) (CH₃)₃COC₂H₅. An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

Ethane (C₂H₆). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene (C₂H₄). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

Exports. Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

Flexicoking. A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fresh Feed Input. Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

Fuel Ethanol (C₂H₅OH). An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Gasoline Treated as Blendstock (GTAB). See **Motor Gasoline Blending Components**.

Gross Input to Atmospheric Crude Oil Distillation Units. Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Heavy Gas Oil. Petroleum distillates with an approximate boiling

range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

High-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 500 ppm.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Imports. Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Isobutane (C_4H_{10}). A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

Isobutylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Isohexane (C_6H_{14}). A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane (C_4), an alkylation process feedstock, and normal pentane and hexane into isopentane (C_5) and isohexane (C_6), high-octane gasoline components.

Isopentane. See *Natural Gasoline and Isopentane*.

Kerosene. A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

Kerosene-Type Jet Fuel. A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

Commercial. Kerosene-type jet fuel intended for use in commercial aircraft.

Military. Kerosene-type jet fuel intended for use in military aircraft.

Lease Condensate. A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

Light Gas Oils. Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

Liquefied Petroleum Gases (LPG). A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

Low-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

Lubricants. Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

Merchant Oxygenate Plants. Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

Methanol (CH_3OH). A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

Middle Distillates. A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

Military Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

Conventional Gasoline. Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

Ed 55 and Lower. Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

Greater than Ed55. Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

OPRG. "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

Oxygenated Gasoline (Including Gasohol). Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

Reformulated Gasoline. Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

Reformulated (Blended with Alcohol). Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

Reformulated (Blended with Ether). Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

Reformulated (Non-Oxygenated). Reformulated gasoline without added ether or alcohol components.

Motor Gasoline Blending. Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

Conventional Blendstock for Oxygenate Blending (CBOB). Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

Gasoline Treated as Blendstock (GTAB). Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

Reformulated Blendstock for Oxygenate Blending (RBOB). Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

RBOB for Blending with Alcohol. Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

RBOB for Blending with Ether. Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

All Other Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g. fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

MTBE (Methyl tertiary butyl ether) $(CH_3)_3COCH_3$. An ether intended for gasoline blending as described in Oxygenate definition.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

Naphtha Less Than 401° F. See *Petrochemical Feedstocks*.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

Natural Gas. A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Liquids. Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

Natural Gas Plant Liquids. Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Natural Gas Processing Plant. Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C_5H_{12}) , obtained by fractionation of natural gasoline or isomerization of normal pentane.

Net Receipts. The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

Normal Butane. See *Butane*.

OPEC. An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current members (with years of membership) include Algeria (1969-present), Angola (2007-present), Ecuador (1973-1992 and 2007-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-present), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and Venezuela (1960-present).

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operable Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Operating Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

Other Hydrocarbons. Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives and gilsonite. Excludes natural gas used for fuel or hydrogen feedstock.

Other Oils Equal To or Greater Than 401° F. See *Petrochemical Feedstocks*.

Other Oxygenates. Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Oxygenated Gasoline. See *Motor Gasoline (Finished)*.

Oxygenates. Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Fuel Ethanol. Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

Methanol. Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

MTBE (Methyl tertiary butyl ether). Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that

the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Persian Gulf. The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

Naphtha Less Than 401° F. A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

Other Oils Equal To or Greater Than 401° F. Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

Petroleum Administration for Defense (PAD) Districts. Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

Petroleum Coke. A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Catalyst Coke. In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Pipeline (Petroleum). Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Processing Gain. The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

Processing Loss. The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

Product Supplied, Crude Oil. Crude oil burned on leases and by pipelines as fuel.

Production Capacity. The maximum amount of product that can be produced from processing facilities.

Products Supplied. Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

Propane (C_3H_8). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

Propylene (C_3H_6). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Propylene (C_3H_6) (nonfuel use). Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

Refinery-Grade Butane. See *Butane*.

Refinery Input, Crude Oil. Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

Refinery Input, Total. The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

Refinery Production. Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

Refinery Yield. Refinery yield (expressed as a percentage) represents the percent of finished product produced from input of crude oil and net input of unfinished oils. It is calculated by dividing the sum of crude oil and net unfinished input into the individual net production of finished products. Before calculating the yield for finished motor gasoline, the input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components must be subtracted from the net production of finished motor gasoline. Before calculating the yield for finished aviation gasoline, input of aviation gasoline blending components must be subtracted from the net production of finished aviation gasoline.

Reformulated Blendstock for Oxygenate Blending (RBOB). See *Motor Gasoline Blending Components*.

Reformulated Gasoline. See *Motor Gasoline (Finished)*.

Renewable Fuels (Other). Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

Residual Fuel Oil. A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

Stock Change. The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

Supply. The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

TAME (Tertiary amyl methyl ether) $(CH_3)_2(C_2H_5)COCH_3$. An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

Tank Farm. An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

Tanker and Barge. Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal

to a PAD District.

TBA (Tertiary butyl alcohol) $(CH_3)_3COH$. An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene $(C_6H_5CH_3)$. Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

Ultra-Low Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

Unaccounted for Crude Oil. Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

Unfinished Oils. All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

United States. The United States is defined as the 50 States and the District of Columbia.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point

(ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

Working Storage Capacity. The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene ($C_6H_4(CH_3)_2$). Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.